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 the free encyclopedia that anyone can edit. 118,328 active editors 6,996,391 articles in English The red-capped parrot (Purpureicephalus spurius) is a species of broad-tailed parrot native to southwest Western Australia. Described by Heinrich Kuhl in 1820, it is classified in its own genus owing to its distinctive elongated beak. Its closest relative is
the mulga parrot. It is not easily confused with other parrot species; both adult sexes have a bright crimson crown, green-yellow cheeks, and a distinctive long bill. The wings, back, and long tail are dark green, and the underparts are purple-blue. Found in woodland and open savanna country, the red-capped parrot consumes seeds (particularly of
eucalypts), flowers, berries, and occasionally insects. Nesting takes place in tree hollows. Although the red-capped parrot has been shot as a pest, and affected by land clearing, the population is growing and the species is not threatened. In captivity, it has a reputation of being both anxious and difficult to breed. (Full article...) Recently featured: Cher
Malcolm X Margaret Sanger Archive By email More featured articles About Holly-Anne Hull of Remember (pictured) of the "What the Hell Just Happened?" girlband Remember Monday why she was not wearing shoes? ... that John P. Metras held all-night recruitment parties including a bathtub
full of ice and beer? ... that Priamurye Governorate-General, a Russian colony in East Asia, issued passports in order to segregate East Asian migrants from the general population? ... that Meng Sufen led a 1993 investigation in Guizhou's Mashan region, sparking a donation campaign raising over 1.6 million yuan for poverty alleviation? ... that Britart
and the Turner Prize are both lampooned in the Jilly Cooper romance novel Pandora? ... that the larvae of the elm zigzag sawfly create distinctive zig-zags in the leaves of elm trees? ... that while attempting to "bulk up" for the Olympics, judoka Vlado Paradžik lost 11 pounds (5.0 kg) due to food shortages? ... that the developers of UTM needed to
make a "slow edition" of their software to get it approved on the App Store? ... that NFL player Miles Turpin wrestled alligators when young, calling it "a lot of fun"? Archive Start a new article Nominate an article Luís Montenegro In the Portuguese legislative election, the Democratic Alliance (leader Luís Montenegro pictured) wins the most seats in
parliament. Austria, represented by JJ with the song "Wasted Love", wins the Eurovision Song Contest. In the Philippines, the Alyansa para sa Bagong Pilipinas wins the most seats in the House elections. Former president of Uruguay José Mujica dies at the age
of 89. Ongoing: Gaza war M23 campaign Russian invasion of Ukraine timeline Sudanese civil war timeline Recent deaths: Eddie Sheldrake Domingos Maubere Duncan Campbell Luigi Alva Richard Garwin Tommy Vigorito Nominate an article May 21: World Day for Cultural Diversity for Dialogue and Development Busoni c. 1897 1138 - The Crusades:
The siege of Shaizar ended, and the Emir of Shaizar became a vassal of the Byzantine Empire. 1864 - American Civil War: The inconclusive Battle of Spotsylvania Court House in Virginia ended with combined Union and Confederate casualties totaling around 31,000. 1894 - The Manchester Ship Canal, linking Manchester in North West England to
the Irish Sea, officially opened, becoming the world's largest navigation canal at the time. 1925 - The opera Doktor Faust, unfinished when composer Ferruccio Busoni (pictured) died, was premiered in Dresden. 2014 - A Taiwanese man carried out a stabbing spree on a Taipei Metro train, killing four people and injuring 24 others. Feng Dao
(d. 954)Tommaso Campanella (d. 1639)Armand Hammer (b. 1898)Linda Laubenstein (b. 1947) More anniversaries: May 20 May 21 May 22 Archive By email List of days of the year About The black-crowned barwing (Actinodura sodangorum) is a non-migratory bird from Mainland Southeast Asia in the family Leiothrichidae, the laughingthrushes. The
species's first sighting was reported in April 1996 at Ngoc Linh, Vietnam, and it was formally described in 1999. The black-crowned barwing is the only bird in the genus Actinodura to have a black crown. It has transverse barring on the wings (wingbars) and a crest, which are characteristic of the genus. Its natural habitats are subtropical or tropical
moist montane forest, high-altitude shrubland, high-altitude grassland, and plantations. This black-crowned barwing was photographed in the Ngoc Linh Nature Reserve, Vietnam. Photograph credit: JJ Harrison Recently featured: Rhina Aguirre Chester Cathedral El Tatio Archive More featured pictures Community portal - The central hub for editors,
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calendars - Vikram Samvat1194-1195 - Shaka Samvat1059-1060 - Kali Yuga4238-4239Holocene calendar774 before ROC民前774年
Nanakshahi calendar-330Seleucid era1449/1450 AGThai solar calendar1680-1681Tibetan calendar III (r. 1138-1152) Year 1138 (MCXXXVIII) was a common year starting on Saturday of the Julian calendar. March 7 - Conrad III is
elected as King of Germany, in the presence of the papal legate Theodwin at Koblenz. He is crowned at Aachen six days later (on March 13), and acknowledged in Bamberg by several German princes of southern Germany.[1] Henry X (the Proud), son-in-law and heir of the late King Lothair III, refuses his allegiance to Conrad. He is deprived of all his
Saxon territories, which are given to Leopold IV (the Generous). Summer - A civil war breaks out in the Holy Roman Empire, a struggle begins between the Guelphs and Ghibellines, while the family name Welf of Henry X will be corrupted into Guelph. October 20 - Bolesław III (Wrymouth) dies after a 31-year reign. He divides Poland among his sons:
Władyslaw II (the Exile) receives Silesia and the Senioral territories - which includes the Kraków and Leczyca regions, as well as parts of Kujawy and Wielkopolska ("Greater Poland."). Bolesław IV (the Curly) receives Masovia and Mieszko III receives the newly established Duchy of Greater Poland. The 7-year-old Henry becomes duke of Sandomierz.
Bolesław's last son, Casimir II receives nothing, as he is born after his father's death.[2] May - Earl Robert FitzRoy rebels against King Stephen, supporting Matilda (his step-sister) in her claim for the English throne. Matilda is given refuge by Earl William de Albini at Arundel Castle. Stephen builds siege works around the castle, but is unable to
break the castle's defences. In France, Matilda's husband Duke Geoffrey V (the Fair) takes advantage of the situation by re-invading Normandy. August 22 - Battle of the Standard: King David I of Scotland gives his full support to Matilda (daughter of the late King Henry I), and invades the north of England - travelling as far south as Lincolnshire. The
Scottish army (some 15,000 men) is defeated by English forces under Earl William le Gros in Yorkshire. David retreats to Carlisle and reassembles an army. The Earldom of Pembroke, created for Gilbert de Clare, becomes the first earldom created by Stephen within the borders in Wales. Gilbert receives the rape and Pevensey Castle. Spring -
Emperor John II (Komnenos) leads a Byzantine expeditionary force into Syria and arrives before the walls of Aleppo on April 20. The city proves too strong to attack, but the fortresses of Biza'a, Athareb, Ma'arrat Nu'man and Kafartab are taken by assault. While the Byzantines besiege the city of Shaizar, the Crusader allies Prince Raymond of Poitiers
of Antioch and Count Joscelin II of Edessa remain in their camp playing dice.[3] Siege of Shaizar: The Byzantines under John II besiege the capital of the Munqidhite Emirate. They capture the lower city on May 20, but fail to take the citadel. John negotiates with Emir Abu'l Asakir Sultan - who sends him an offer to pay a large indemnity and becoming
a vassal of the Byzantine Empire. John, disgusted by his Crusader allies, accepts the terms and raises the siege on May 21.[4] October 11 - An earthquake in Aleppo, Syria, kills about 230,000 people. Al-Rashid Billah (Deposed caliph of Baghdad) fled to Isfahan where he was assassinated by a team of four Nizari Ismailis (Assassins) in June 1138. This
was celebrated in Alamut for a week by Shias.[5] November 5 - Lý Anh Tông is enthroned as emperor of Đại Việt at the age of two, starting a 37-year reign. April 10 - Robert Warelwast is nominated as bishop of Exeter at a royal council in Northampton, England. Casimir II (the Just), duke of Poland (d. 1194) Conan IV (the Young), duke of Brittany (d.
1171) Fujiwara no Narichika, Japanese nobleman (d. 1178) Hojo Tokimasa, Japanese nobleman (d. 1179) Tancred ("the Monkey King"), king of Sicily (d. 1194) January 13 or January 14 - Simon I, duke of Lorraine (b. 1076) February
19 - Irene Doukaina, Byzantine empress May 11 - William de Warenne, 2nd Earl of Surrey May 27 - Hadmar I of Kuenring, German nobleman June 6 - Al-Rashid, caliph of the Abbasid Caliphate (b. 1109) August 12 - Suero Vermúdez, Asturian nobleman June 6 - Al-Rashid, caliph of the Abbasid Caliphate (b. 1086) Amhlaoibh Mór mac Fir Bhisigh
Irish poet and cleric Arwa al-Sulayhi, queen and co-ruler of Yemen (b. 1048) Avempace, Andalusian polymath and philosopher (b. 1085) Chen Yuyi, Chinese politician of the Scot, bishop of Bangor (approximate date) Kiya Buzurg Ummid, ruler of the Nizari Isma'ili State Rodrigo Martínez, Leonese nobleman and
diplomat Rudolf of St. Trond, French Benedictine chronicler Someshvara III, ruler of the Western Chalukya Empire Vakhtang (or Tsuata), Georgian nobleman (b. 1118) ^ Daniel Quitz (May 19, 2014). Die Königswahl Konrad III. 1138 und seine Politik gegenüber den Welfen. GRIN Cerlag. pp. 1-. ISBN 978-3-656-65725-5. ^ Richard Brzezinski (1998)
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Daftary, Farhad (1992). The Isma'ilis: Their History and Doctrines. Cambridge University Press. p. 2. ISBN 978-0521317399. Retrieved from "30ne hundred years, from 1001 to 1100 Millennia
2nd millennium Centuries 10th century 11th century 12th c
Hemisphere in early half of 11th century Political boundaries in Eastern Hemisphere at the end of the 11th century is the period from 1001 (represented by the Roman numerals MI) through 1100 (MC) in accordance with the Julian calendar, and the 1st century of the 2nd millennium. In the history of Europe, this period is considered
the early part of the High Middle Ages. There was, after a brief ascendancy, a sudden decline of Byzantine power and a rise of Norman domination over much of Europe, along with the prominent role in Europe of notably influential popes. Christendom experienced a formal schism in this century which had been developing over previous centuries
between the Latin West and Byzantine East, causing a split in its two largest denominations to this day: Roman Catholicism and Eastern Orthodoxy. In Song dynasty China and the classical Islamic science, philosophy,
technology and literature. Rival political factions at the Song dynasty court created strife amongst the leading statesmen and ministers of the empire. In Korea, the Goryeo Kingdom flourished and faced external threats from the Liao dynasty (Manchuria). In this century the Turkic Seljuk dynasty comes to power in Western Asia over the now
fragmented Abbasid realm, while the first of the Crusades were waged towards the close of the century. The Fatimid Caliphate in Egypt, the Ghaznavids, and the Chola dynasty in India had reached their zenith in military might and international influence. The Western Chalukya Empire (the Chola's rival) also rose to power by the end of the century. In
Japan, the Fujiwara clan continued to dominate the affairs of state. In the Americas, the Toltec and Mixtec civilizations flourished in Central America collapsed in the first half of the century. The
Investiture Controversy. It saw the final Christianisation of Scandinavia and the emergence of the Peace and Truce of God movements, the Gregorian Reforms, and the Crusades which revitalised a church and a papacy that had survived tarnished by the tumultuous 10th century. In 1054, the Great Schism saw the political and religious culmination
and a formal split between the Western and Eastern church. In Germany, the century was marked by the ascendancy of the Holy Roman Emperors, who hit their high-water mark under the Salians. In Britain, it saw the transformation of Scotland into a single, more unified and centralised kingdom and the Norman conquest of England in 1066. The
social transformations wrought in these lands brought them into the fuller orbit of European feudal politics. In France, it saw the nadir of the monarchy and the zenith of the great magnates, especially the dukes of Aquitaine and Normandy, who could thus foster such distinctive contributions of their lands as the pious warrior who conquered Britain
Italy, and the East and the impious peacelover, the troubadour, who crafted out of the European vernacular its first great literary themes. There were also the first figures of the intellectual movement known as Scholasticism, which emphasized dialectic arguments in disputes of Christian theology as well as classical philosophy. In Italy, the century
began with the integration of the kingdom into the Holy Roman Empire and the royal palace at Pavia was summoned in 1024. By the end of the century, Lombard and Byzantine rule in the Mezzogiorno had been usurped by the Normans and the power of the territorial magnates was being replaced by that of the citizens of the northern cities. In
Northern Italy, a growth of population in urban centers gave rise to an early organized capitalism and more sophisticated, commercialized culture by the late 11th century, most notably in Venice. In Spain, the century opened with the successes of the last caliphs of Córdoba and ended in the successes of the Almoravids. In between was a period of
Christian unification under Navarrese hegemony and success in the Reconquista against the taifa kingdoms that replaced the fallen caliphate. In Eastern Europe, there was a golden age for the principality of Kievan Rus. A Scholar in a Meadow, Chinese Song dynasty, 11th century In China, there was a triangular affair of continued war and peace
 settlements between the Song dynasty, the Tanguts-led Western Xia in the northwest, and the Khitans of the Liao dynasty in the northeast. Meanwhile, opposing political factions evolved at the Song imperial court of Kaifeng. The political reformers at court, called the New Policies Group (新法, Xin Fa), were led by Emperor Shenzong of Song and the
Chancellors Fan Zhongyan and Wang Anshi, while the political conservatives were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political debate and sectarian intrigue followed, while political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political debate and sectarian intrigue followed, while political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor Zhezong of Song. Heated political enemies were led by Chancellor Sima Guang and Empress Dowager Gao, regent of the young Emperor 
where malaria was known to be very fatal to northern Chinese people (see History of the Song dynasty). This period also represents a high point in classical Chinese science and technology, with figures such as Su Song and Shen Kuo, as well as the age where the matured form of the Chinese pagoda was accomplished in Chinese architecture. In
Japan, the Fujiwara clan dominated central politics by acting as imperial regents, controlling the actions of the Emperor of Japan, who acted merely as a 'puppet monarch' during the Heian period. In Korea, the rulers of the Goryeo Kingdom were able to concentrate more central authority into their own hands than in that of the nobles, and were able
to fend off two Khitan invasions with their armies. In the Middle East, the Fatimid Empire of Egypt reached its zenith only to face steep decline, much like the Byzantine Empire in the first half of the century. The Seljuks came to prominence while the Abbasid caliphs held traditional titles without real, tangible authority in state affairs. In India, the
Chola dynasty reached its height of naval power under leaders such as Rajaraja Chola I and Rajendra Chola I, dominating southern India, an event that would pave the way to a series of later Muslim expansions into India. In Southeast Asia
Vietnam, the Lý dynasty began, which would reach its golden era during the 11th century. In Nigeria, formation of city states, kingdoms and empires, including Hausa kingdoms and Borno dynasty in the north, and the Oyo Empire and Kingdom of Benin in the south. An 11th-century rock crystal ewer of Fatimid Egypt 1001: Mahmud of Ghazni, Muslim
leader of Ghazni, begins a series of raids into Northern India; he finishes in 1027 with the destruction of Somnath. c. 1001: Norsemen, led by Leif Eriksson, establish short-lived settlements in and around Vinland in North America. 1001-1008: Japanese Lady Murasaki Shikibu writes The Tale of Genji. 1001 ± 40 years: Baitoushan volcano on what
 would be the Chinese-Korean border, erupts with a force of 6.5, the fourth largest Holocene blast. 1001: The ancient kingdom of Butuan tributary mission through Lijehan and Jiaminan at the Chinese Imperial Court on March 17,
1001 AD. 1003: Robert II of France invades the Duchy of Burgundy, then ruled by Otto-William, Duke of Burgundy; the initial invasion is unsuccessful, but Robert II eventually gains the acceptance of the Roman Catholic Church in 1016 and annexes Burgundy into his realm. 1004: Song dynasty court prohibited Butuan from exporting several items
 with their predilection due to issues on rules and regulation. 1004: The library and university Dar Al-Hekma is founded in Egypt under the Fatimids. 1006: King Dharmawangsa's Mataram kingdom falls under the invasion of King Wurawari from
Lwaram (highly possible Srivijayan ally in Java).[1] 1007: Butuan king, Rajah Kiling through the ambassador I-hsu-han sent a formal memorial on Song dynasty Imperial court requesting equal status with Champa but the request was denied on the grounds that "Butuan is beneath Champa." due to Champa being an older tributary state since the 4th
century. 1008: The Fatimid Egyptian sea captain Domiyat travels to the Buddhist pilgrimage site in Shandong, China, to seek out the Chinese Emperor Zhenzong of Song with gifts from his ruling Imam Al-Hakim bi-Amr Allah, successfully reopening diplomatic relations between Egypt and China that had been lost since the collapse of the Tang
dynasty. 1009: Lý Thái Tổ overthrows the Anterior Lê dynasty of Vietnam, establishing the Lý dynasty. 1009-1010: The Lombard known as Melus of Bari leads an insurrection against the Byzantine Catepan of Italy, John Curcuas, as the latter was killed in battle and replaced by Basil Mesardonites, who brought Byzantine reinforcements. Defeat of the
Bulgarians by the Byzantines depicted in the Madrid Skylitzes 1010-1011: The Second Goryeo-Khitan War; the Korean king is forced to flee the capital temporarily, but is unable to establish a foothold and fearing a counterattack, the Khitan forces withdrew. 1011-1021: Ibn al-Haytham (Alhacen), a famous Iraqi scientist working in Egypt, feigns
madness in fear of angering the Egyptian caliph Al-Hakim bi-Amr Allah, and is kept under house arrest from 1011 to 1021. During this time, he writes his influential Book of Optics. 1011: Under a new Rajah named Sri Bata Shaja, Butuan finally succeeded in attaining diplomatic equality with Champa after being denied in an older request made 4
years earlier to the Song dynasty court by sending the flamboyant ambassador Likanhsieh. 1013: Danish king Sweyn Forkbeard conquers England. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Kleidion. 1014: The Byzantine armies of Basil II are victorious over Samuil of Bulgaria in the Battle of Basil II are victorious over Samuil of Bulgaria in the Battle of Basil II are victorious over Samuil of Bulgaria in the Battle of Battl
a combined Leinster-Viking force in the Battle of Clontarf but Brian Boru is killed at the end of the battle. 1014-1020: The Book of Healing, a vast philosophical and scientific encyclopaedia, is written by Avicenna, Persian scholar.[2] 1015: In the Battle of Nesjar in Oslofjord, Norway, the forces of Olav Haraldsson fought the forces of Sveinn
Hákonarson, with a victory for Olav. 1018: The First Bulgarian Empire is conquered by the Byzantine Empire 1018: The Byzantine armies of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against the Lombards under Melus of Basil Boioannes are victorious at the Battle of Cannae against 
at the Battle of Kwiju. The Khitans withdrew and both sides signed a peace treaty. 1019: Airlangga establishes the Kingdom of Kahuripan.[3] Celadon statue of an imperial guardian lion of the Chinese Song dynasty, 11th or 12th century 1021: the ruling Fatimid Caliph Al-Hakim bi-Amr Allah disappears suddenly, possibly assassinated by his own sister
Sitt al-Mulk, which leads to the open persecution of the Druze by Ismaili Shia; the Druze proclaim that Al-Hakim went into hiding (ghayba), whereupon he would return as the Mahdi savior. 1025: the Chola dynasty of India uses its naval powers to conquer the South East Asian kingdom of Srivijaya, turning it into a vassal. 1025: ruler Rajendra Chola India uses its naval powers to conquer the South East Asian kingdom of Srivijaya, turning it into a vassal. 1025: ruler Rajendra Chola India uses its naval powers to conquer the South East Asian kingdom of Srivijaya, turning it into a vassal. 1025: ruler Rajendra Chola India uses its naval powers to conquer the South East Asian kingdom of Srivijaya, turning it into a vassal. 1025: ruler Rajendra Chola India uses its naval powers to conquer the South East Asian kingdom of Srivijaya, turning it into a vassal. 1025: ruler Rajendra Chola India uses its naval powers to conquer the South East Asian kingdom of Srivijaya, turning it into a vassal. 1025: ruler Rajendra Chola India uses its naval powers to conquer the South East Asian kingdom of Srivijaya, turning it into a vassal. 1025: ruler Rajendra Chola India uses its naval powers to conquer the South East Asian kingdom of Srivijaya, turning it into a vassal. 1025: ruler Rajendra Chola India uses its naval powers to conquer the South East Asian kingdom of Srivijaya, turning it into a vassal i
moves the capital city of the empire from Thanjavur to Gangaikonda Cholapuram 1025: Rajendra Chola king from Cholamandala in South India, conquers Pannai and Kadaram from Srivijayan empire in Sumatra and the Malay Peninsula.[4]
1028: the King of Srivijaya appeals to the Song dynasty Chinese, sending a diplomatic mission to their capital at Kaifeng. 1030: Stephen I of the Holy Roman Empire; after the war, Conrad had ceded the lands between the rivers Leitha and Fischa to Hungary in the summer of 1031. 1030: the Battle of
Stiklestad (Norway): Olav Haraldsson loses to his pagan vassals and is killed in the battle. He is later canonized and becomes the patron saint of Norway'). 1030: Sanghyang Tapak inscription in the Cicatih River bank in Cibadak, Sukabumi, West Java, mentioned about the establishment of
sacred forest and Kingdom of Sunda. (to 1579) 1033: An earthquake strikes the Jordan Valley, followed by a tsunami along the Mediterranean coast, killing tens of thousands. [5] 1035: Raoul Glaber chronicles a devastating three-year famine induced by climatic changes in southern France 1035: Canute the Great dies, and his kingdom of present-day
Norway, England, and Denmark was split amongst three rivals to his throne. 1035: William Iron Arm ventures to the Mezzogiorno 1037: Ferdinand I of León conquers the kingdom of Galicia. Territories of Zirids and Hammadids after the invasions of Banu Hilal, of Norman incursions and the weakening of the Almoravids 1040: Duncan I of Scotland
slain in battle. Macbeth succeeds him. 1041: Samuel Aba became King of Hungary. 1041: Airlangga divides Kahuripan into two kingdoms Janggala and Kadiri and abdicates in favour of his successors. [6] 1042: the Normans establish Melfi as the capital of southern Italy. 1041-1048: Chinese artisan Bi Sheng invents ceramic movable type printing
1043: the Byzantine Empire and Kievan Rus engage in a naval confrontation, although a later treaty is signed between two parties that includes the marriage alliance of Vsevolod I of Kiev to a princess daughter of Constantine IX Monomachos. 1043: the Byzantine General George Maniaces, who had served in Sicily back in 1038, is proclaimed emperor
by his troops while he is catepan of Italy; he leads an unsuccessful rebellion against Constantinople. 1043: the Song dynasty Chancellor of China, Fan Zhongyan, and prominent official and historian Ouyang Xiu introduce the Qingli Reforms, which would be a constantinople.
rescinded by the court in 1045 due to partisan resistance to reforms. 1043: the Kingdom of Nri of West Africa is said to have started in this year with Eze Nri Ifikuánim 1044: the Chinese Wujing Zongyao, written by Zeng Gongliang and Yang Weide, is the first book to describe gunpowder formulas;[7] it also described their use in warfare, such as
blackpowder-impregnated fuses for flamethrowers.[8] It also described an early form of the compass, a thermoremanence compass, a 
Kingdom of Hungary then briefly becomes a vassal to the Holy Roman Empire. 1045: The Zirids, a Berber dynasty of North Africa, break their allegiance with the Fatimid court of Egypt and recognize the Abbasids of Baghdad as the true caliphs. A flat casket carved out of ivory from Al-Andalus (Islamic Spain), c. 1050 1052: Fujiwara no Yorimichi
converts the rural villa at Byōdō-in into a famous Japanese Buddhist temple. 1053: the Norman commander Humphrey of Hauteville is victorious in the Battle of Civitate against the Lombards and the papal coalition led by Rudolf of Benevento; Pope Leo IX himself is captured by the Normans. 1054: the Great Schism, in which the Western (Roman
Catholic) and Eastern Orthodox churches separated from each other. Similar schisms in the past had been later repaired, but this one continues after nearly 1000 years. 1054: a large supernova is observed by astronomers, the remnants of which would form the Crab Nebula. 1054: the Battle of Atapuerca is fought between García V of Navarre and
Ferdinand I of León. 1055: the Seljuk Turks capture Baghdad, taking the Buyid Emir Al-Malik al-Rahim prisoner. 1056: Ferdinand I of León, King of Castile and King of León, is crowned Imperator totius Hispaniae (Emperor of All Hispania). 1056: William II of England the son of William the Conqueror, was born. 1057: Anawrahta, ruler of the Pagan
Kingdom, defeated the Mon city of Thaton, thus unifying all of Myanmar. 1057: Macbeth, king of Scotland, dies in battle against the future king Malcolm III. 1057: Invasion of the Banu Hilal, Kairouan destroyed, Zirids reduced to a tiny coastal strip, remainder fragments into petty Bedouin emirates.[10] The Bayeux Tapestry depicting events leading to
the Battle of Hastings in 1066 1061-1091: Norman conquest of Sicily in the Mediterranean Sea 1064-1065: The Great German Pilgrimage, consisting of around unarmed 7,000 pilgrims, travels to Jerusalem under the leadership of Gunther of Bamberg.[11] 1065: Seljuks first invasion to Georgia under leadership of Alp Arslan 1065: Independence of the
Kingdom of Galicia and Portugal under the rule of Garcia 1066: in the Battle of Stamford Bridge, the last Anglo-Saxon King Harold Godwinson and Harold Godwinson defeated his brother Tostig Godwinson and Harold Godwinson defeated his brother Tostig Godwinson and Harold Godwinson and Harold Godwinson defeated his brother Tostig Godwinson and Harold Godwinson and Harold Godwinson and Harold Godwinson and Harold Godwinson defeated his brother Tostig Godwinson and Harold Godwinson and Harold Godwinson defeated his brother Tostig Godwinson and Harold Godw
king of England. This is what most experts think of as the end of the Viking age. 1066: the Jewish vizier Joseph ibn Naghrela and many others are killed in the 1066 Granada massacre. 1068-1073: the reign of Japanese Emperor Go-Sanjō brings about a brief period where central power is taken out of the Fujiwara clan. 1068: Virarajendra
Chola begins sending military raids into Malaysia and Indonesia. 1068: Seljuks destroyed Georgia for the second time 1069-1076: with the support of Emperor Shenzong of Song, Chancellor Wang Anshi of the Chinese Song dynasty introduces the 'New Policies', including the Baojia system of societal organization and militias, low-cost loans for
farmers, taxes instead of corvée labor, government monopolies on tea, salt, and wine, reforming the land survey system, and eliminating the poetry requirement in the imperial examination system to gain bureaucrats of a more practical bent. An 11th-century Chola dynasty bronze figurine of Arthanariswara 1070: the death of Athirajendra Chola and
the ascension of Kulothunga Chola I marks the transition between the Medieval Cholas and the Chalukya Cholas. 1071: Defeat of the Byzantine Empire at the Battle of Manzikert by the Seljuk army of Alp Arslan, ending three centuries of a Byzantine Empire at the Battle of Manzikert by the Seljuk army of Alp Arslan, ending three centuries of a Byzantine Empire at the Battle of Golpejera is fought between Sancho II of
Castile and Alfonso VI of Castile 1073: the Seljuk Turks capture Ankara from the Byzantines. 1075: the Investiture Controversy is sparked when Pope Gregory VII asserted in the
Dictatus papae extended rights granted to the pope (disturbing the balance of power) and a new interpretation of God's role in founding the Church itself. 1075: Chinese official and diplomat Shen Kuo asserts the Song dynasty's rightful border lines by using court archives against the bold bluff of Emperor Daozong of Liao, who had asserted that Liao
dynasty territory exceeded its earlier-accepted bounds. 1075-1076: a civil war in the Western Chalukya Empire of India; the Western Chalukya monarch Someshvara II plans to defeat his own ambitious brother Vikramaditya VI by allying with a traditional enemy, Kulothunga Chola I of the Chola Empire; Someshvara's forces suffer a heavy defeat, and
he is eventually captured and imprisoned by Vikramaditya, who proclaimed himself king. 1075-1077: the Song dynasty of China and the Lý dynasty of Vietnam fight a border war, with Vietnamese forces striking first on land and with their navy, and afterwards Song armies advancing as far as modern-day Hanoi, the capital, but withdraw after Lý
makes peace overtures; in 1082, both sides exchange the territories that they had captured during the war, and later a border agreement is reached. 1076: the Ghana Empire is attacked by the Almoravids, who sack the capital of Koumbi Saleh, ending the rule of king Tunka Manin 1076: the Chinese Song dynasty places strict government monopolies
over the production and distribution of sulfur and saltpetre, in order to curb the possibility of merchants selling gunpowder formula components to enemies such as the Tanguts and Khitans. 1076: the Song Chinese allies with southern Vietnamese Champa and Cambodian Chenla to conquer the Lý dynasty, which is an unsuccessful campaign. 1077
the Walk to Canossa by Henry IV of the Holy Roman Empire. 1077: Chinese official Su Song is sent on a diplomatic mission to the Liao dynasty and discovers that the Khitan calendar is more mathematically accurate than the Song calendar; Emperor Zhezong later sponsors Su Song's astronomical clock tower in order to compete with Liao
astronomers. 1078: Oleg I of Chernigov is defeated in battle by his brother Vsevolod I of Kiev; Oleg escapes to Tmutarakan, but is imprisoned by the Khazars, sent to Constantinople as a prisoner, and then exiled to Rhodes. 1078: the revolt of Nikephoros III against Byzantine ruler Michael VII 1079: Malik Shah I reforms the Iranian Calendar. 1079:
Franks start to settle around the Way of Saint James (Today, modern North Spain) A page of the Domesday Book of England 1080-1081: The Chinese statesman and scientist Shen Kuo is put in command of the campaign against the Western Xia, and although he successfully halts their invasion route to Yanzhou (modern Yan'an), another officer
disobeys imperial orders and the campaign is ultimately a failure because of it. 1081: birth of Urraca of León and Castille and León. 1084: the enormous Chinese historical work of the Zizhi Tongjian is compiled by scholars under Chancellor Sima Guang, completed in 294 volumes and included 3 million written Chinese
characters 1085: Alfonso VI of Castile captures the Moorish Muslim city of Toledo, Spain. 1085: the Katedralskolan, Lund school of Sweden is established by Canute IV of Denmark 1086: compilation of the Domesday Book by order of William I of England; it was similar to a modern-day government census, as it was used by William to thoroughly
document all the landholdings within the kingdom that could be properly taxed. 1086: the Battle of az-Zallaqah between the Almoravids and Castilians 1087: a new office at the Chinese international seaport of Quanzhou is established to handle and regulate taxes and tariffs on all mercantile transactions of foreign goods coming from Africa, Arabia
India, Sri Lanka, Persia, and South East Asia. 1087: the Italian cities of Genoa and Pisa engage in the African Mahdia campaign 1088: the renowned polymath Chinese scientist and official Shen Kuo made the world's first reference to the magnetic compass in his
book Dream Pool Essays, [12][13] along with encyclopedic documentation and inquiry into scientific discoveries. 1088: The University of Bologna is established. 1088: Rebellion of 1088 against William II of England led by Odo of Bayeux, Siege of Jerusalem (1099) 1091: Normans from the Duchy of Normandy take control of Malta and surrounding
 islands. 1091: the Byzantine Empire under Alexios I Komnenos and his Cuman allies defeat Pechenegs at the Battle of Levounion 1093: Wikramaditya VI, ruler of the Western Chalukya Empire, defeats the army of Kulothunga Chola I in the Battle of Vengi. 1093: when the Chinese Empress Dowager Gao dies, the conservative faction that had followed
Sima Guang is ousted from court, the liberal reforms of Wang Anshi reinstated, and Emperor Zhezong of Song halted all negotiations with the Tanguts of the Stugna River 1093: Battle of Alnwick: Malcolm III of Scotland is killed by
the forces of William II of England. 1094: the astronomical clock tower of Kaifeng, China—engineered by the official Su Song—is completed. 1094: a succession crisis following the reign of the Fatimid Caliph Ma'ad al-Mustansir Billah sparks a rebellion which leads to the split
of Ismaili Shia into the new Nizari religious branch. 1095: Pope Urban II calls upon Western Europeans to take up the cross and reclaim the Holy Lands, officially commencing the First Crusade. c. 1095-1099: earliest extant manuscript of the Song of Roland 1096: University of Oxford in England holds its first lectures 1097: the Siege of Nicaea during
the First Crusade 1097: Diego Rodriguez, a son of El Cid, dies in the Battle of Consuegra, an Almoravid victory 1098: the Dongpo Academy of Hainan, China is built in honor of the Song dynasty Chinese official and poet Su Shi, who
was exiled there for criticizing reforms of the New Policies Group. 1098: the birth of Hildegard of Bingen, Doctor of the Church, abbess, monastic leader, mystic, prophetess, medical, German composer and writer, polymath. 1099: the Siege of Jerusalem by European Crusaders. 1099: after the Kingdom of Jerusalem is established, the Al-Agsa Mosque
is made into the residential palace for the kings of Jerusalem. 1099: death of the great Spanish hero Rodrigo Díaz "El Cid Campeador". 1009: after building considerable strength, David IV of Georgia discontinues tribute payments to the Seljuk Turks. 1100: On August 5, Henry I is crowned King of England. 1100: On December 25, Baldwin of Boulogne
Nigeria. The Hodh region of Mauritania becomes desert. Fortified Chinese trade bases were established in the Philippines, to gather forest products and distribute imports. [14] Alfonso VI of Castile Empress Agnes, German Queen who became regent of the Holy Roman Empire Basil II of the Byzantine Empire. Angels crowning Canute the Great as he
and his wife Ælfgifu of Northampton present the Winchester Cross to the church, dated 1031 The Atlantes - columns in the form of Toltec warriors in Tula. Statue of Lady Li Qingzhao in the Grand Hall of Poets in Du Fu Cao Tang, China Matilda of Tuscany military leader from Italy Emperor Shenzong of Song China Chinese Empress Cao, wife of
Emperor Renzong of Song. Lady Sei Shonagon, wrote her Pillow Book about life in the Japanese court Pope Urban II of Rome Statue of William the Conqueror, holding Domesday Book on the West Front of Lichfield Cathedral. 11th century mosaic of Constantine IX Monomachos, Empress Zoe, and Jesus Christ in the Hagia Sophia. An 11th-century
reliquary of gold and cloisonné over wood, from the Duchy of Brabant, Maastricht Cathedral, now housed in the Louvre. Main article: 11th century in architecture Ani Cathedral in Turkey, completed 1001 or 1010 St Albans Cathedral of England, completed in 1089 The Gonbad-e Qabus Tower, built in 1006 during the Ziyarid dynasty of Iran Pagoda of
Fogong Temple, built in 1056 in Shanxi, China by the Khitan Liao dynasty in 1056 Ani Cathedral, Kingdom of Armenia, built 1001 or 1010 Svetitskhoveli Cathedral of Norman-era England is completed in 1089. The Al-Hakim Mosque of Fatimid Egypt is completed in 1013. The Iron Pagoda
of Kaifeng, China is built in 1049. The Phoenix Hall of Byōdō-in, Japan, is completed in 1053. The Brihadeeswarar Temple of India is completed in 1007. The Kedareshwara Temple of Balligavi, India, is built in 1060 by the Western Chalukyas.
Construction work begins in 1059 on the Parma Cathedral in Novgorod is completed in 1052, the oldest existent church in Russia. Construction begins on the Saint Sophia Cathedral in Kiev, Kievan Rus, in 1037. The Byzantine Greek Hosios Loukas monastery sees the completion of its Katholikon (main church), the
earliest extant domed-octagon church from 1011 to 1012. The Lingxiao Pagoda of Zhengding, Hebei province, China, is built in 1045. The Nikortsminda Cathedral of Georgia is completed in 1014. The Speyer Cathedral in Speyer, Germany is
completed in 1061. The Chinese official Cai Xiang oversaw the construction of the Wanan Bridge in Fujian. The Imam Ali Mosque in Iraq is rebuilt by Malik Shah I in 1086 after it was destroyed by fire. The Pizhi Pagoda of Lingyan Temple, Shandong, China is completed in 1063. Reconstruction of the San Liberatore a Maiella in Italy begins in 1080
Westminster Abbey, London, England, is completed in 1065. The Ananda Temple of the Myanmar ruler King Kyanzittha is completed in 1070. Construction of Richmond Castle in England begins in 1071. The tallest pagoda tower in China's pre-modern history, the Liaodi Pagoda,
is completed in 1055, standing at a height of 84 m (275 ft). The Tower of Gonbad-e Qabus in Iran is built in 275 ft). The Palace of Aljafería is built in 275 ft). The Palace of Aljafería is built in 275 ft). The Tower of Gonbad-e Qabus in Iran is built in 275 ft).
century. Construction of the Ponte della Maddalena bridge in the Province of Lucca, Italy begins in 1080. The domes of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courtyard of Jamé Mosque of Isfahan, Iran are built in 1086 to 1087. 11th-18th century - The courty - The cou
Bagrati Cathedral in Georgia in 1003. The St. Michael's Church, Hildesheim in Germany is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1031. The Basilica of Sant'
Tower of London in England is founded in 1078. The St. Grigor's Church of Kecharis Monastery in Armenia is built in 1003. The St. Mary's Cathedral, Hildesheim in Germany is completed in 1020. The One Pillar Pagoda in Hanoi, Vietnam, is constructed in 1049.
The St Michael at the Northgate, Oxford's oldest building, is built in 1040. Oxford Castle in England in 1040. Oxford Castle in England in 1050. St Mark's Basilica in Venice, Italy is rebuilt in 1063. Canterbury Cathedral in Canterbury, England
is completed by 1077. Construction begins on the Cathedral of Santiago de Compostela in Spain in 1075. Latin translation of the Book of Optics (1021), written by the Iraqi physicist, Ibn al-Haytham (Alhazen) Constantine the African examines patients' urine; he taught ancient Greek medicine and Islamic medicine at the Schola Medica Salernitana.
The original diagram of Su Song's book Xin Yi Xiang Fa Yao (published 1092) showing the clepsydra tank, waterwheel, escapement mechanism, chain drive, striking clock jacks, and armillary sphere of his clock tower Diagram from al-Bīrūnī's book Kitab al-tafhim showing lunar phases and lunar eclipse The spherical astrolabe, long employed in
medieval Islamic astronomy, was introduced to Europe by Gerbert d'Aurillac, later Pope Sylvester II. Main article: Timeline of historic inventions § 11th century - Fan Kuan paints Travelers among Mountains and Streams. Northern Song dynasty. It is now kept at National Palace Museum, Taipei, Taiwan (Republic of China). c. 1000
- Abu al-Qasim al-Zahrawi (Abulcasis) of al-Andalus publishes his influential 30-volume Arabic medical encyclopedia, the Al-Tasrif c. 1000 - Abu Sahl al-Quhi (Kuhi) c. 1000 - Abu-Mahmud al-Khujandi c. 1000 - Law of sines is discovered by Muslim
mathematicians, but it is uncertain who discovers it first between Abu-Mahmud al-Khujandi, Abu Nasr Mansur, and Abu al-Wafa. c. 1000 - Ammar ibn Ali al-Mawsili 1000-1048 - Abū Rayhān al-Bīrūnī of Persia writes more than a hundred books on many different topics.[15] 1001-1100 - the demands of the Chinese iron industry for charcoal led to a
huge amount of deforestation, which was curbed when the Chinese discovered how to use bituminous coal in smelting cast iron and steel, thus sparing thousands of acres of prime timberland. [16] 1003 - Pope Sylvester II, born Gerbert d'Aurillac, dies; however, his teaching continued to influence those of the 11th century: [17] his works included a
book on arithmetic, a study of the Hindu-Arabic numeral system, [18] a hydraulic-powered organ, [19] the reintroduction of the abacus to Europe, [20] and a possible treatise on the astrolabe that was edited by Hermann of Reichenau five decades later. The contemporary monk Richer from Rheims described Gerbert's contributions in reintroducing the
armillary sphere that was lost to European science after the Greco-Roman era; from Richer's description, Gerbert's placement of the equator was exact.[21][22] He reintroduced the liberal arts education system of trivium and quadrivium, which he had borrowed from the educational institution of
Islamic Córdoba.[23] Gerbert also studied and taught Islamic medicine.[24][25] 1013 - One of the Four Great Books of Song, the Prime Tortoise of the Record Bureau compiled by 1013 was the largest of the Song Chinese encyclopedias. Divided into 1000 volumes, it consisted of 9.4 million written Chinese characters. 1020 - Ibn Samh of Al-Andalus
builds a geared mechanical astrolabe. 1021 - Ibn al-Haytham (Alhacen) of Basra, Iraq writes his influential Book of Optics from 1011 to 1021 (while he was under house arrest in Egypt), 1024 - The world's first paper-printed money can be traced back to the year 1024, in Sichuan province of Song dynasty China. The Chinese government would step in
and overtake this trend, issuing the central government's official banknote in the 1120s. 1025 - Avicenna of Persia publishes his influential treatise, The Canon of Medicine, which remains the most influential treatise, The Canon of Medicine, which remains the most influential treatise, The Canon of Medicine, which remains the most influential treatise, The Canon of Medicine, which remains the most influential treatise, and The Book of Healing, a scientific encyclopedia. 1027 - The Chinese
engineer Yan Su recreates the mechanical compass-vehicle of the south-pointing chariot, first invented by Ma Jun in the 3rd century. [26] 1028-1087 - Abū Rayhān al-Bīrūnī writes Kitab al-qanun al-Mas'udi 1031-1095 - Chinese scientist
Shen Kuo creates a theory for land formation, or geomorphology, theorized that climate change occurred over time, discovers the concept of true north, improves the design of the astronomical sighting tube to view the pole star indefinitely, hypothesizes the retrogradation theory of planetary motion, and by observing lunar eclipse and solar eclipse he
hypothesized that the sun and moon were spherical.[27][28][29][30][31] Shen Kuo also experimented with camera obscura just decades after Ibn al-Haitham, although Shen was the first to treat it with quantitative attributes.[32][33] He also took an interdisciplinary approach to studies in archaeology.[34] 1041-1048 - Artisan Bi Sheng of Song
dynasty China invents movable type printing using individual ceramic characters.[35] Mid-11th century - Harbaville Triptych, is made. It is now kept at Musée du Louvre, Paris. Mid-11th century - With a team of
scholars, the Chinese official Su Song also published the Ben Cao Tu Jing in 1070, a treatise on pharmacology, botany, zoology, metallurgy, and minerals, and linaceae. [39][40][41] 1075 - the Song Chinese innovate a partial decarbonization method of repeated
forging of cast iron under a cold blast that Hartwell and Needham consider to be a predecessor to the 18th century Bessemer process.[42] 1077 - Constantine the African introduces ancient Greek medicine, is written in
Italy by the Carthaginian Christian Constantine the African, paraphrasing translated passages from the Kitab al-malaki of Ali ibn Abbas al-Majusi as well as other Arabic texts.[43] 1088 - As written by Shen Kuo in his Dream Pool Essays, the earlier 10th-century invention of the pound lock in China allows large ships to travel along canals without
laborious hauling, thus allowing smooth travel of government ships holding cargo of up to 700 tan (491/2 tons) and large privately owned-ships holding cargo of up to 700 tan (491/2 tons) and large privately owned-ships holding cargo of up to 1600 tan (113 tons).[44] 1094 - The Chinese mechanical engineer and astronomer Su Song incorporates an escapement mechanism and the world's first known chain drive to operate
the armillary sphere, the astronomical clock, and the striking clock jacks of his clock tower in Kaifeng [45] The Ostromir Gospels of Novgorod, 1057 1000 - The Al-Tasrif is written by the Andalusian physician and scientist Abu al-Oasim al-Zahrawi (Abulcasis). c. 1000
- The Zij al-Kabir al-Hakimi is written by the Egyptian astronomer Ibn Yunus. 1002-1003 - Book of Lamentations is written by Ibn Tufail. 1008 - The Leningrad Codex, one of the oldest full manuscripts of the Hebrew Bible, is completed. c. 1010 - The
oldest known copy of the epic poem Beowulf was written around this year. 1013 - The Prime Tortoise of the Record Bureau, a Chinese encyclopedia, is completed by a team of scholars including Wang Qinruo. 1020 - The Bamberg Apocalypse commissioned by Otto III is completed. 1021 - Lady Murasaki Shikibu writes her Japanese novel, The Tale of
Genii. 1021 - The Book of Optics by Ibn al-Haytham (Alhazen or Alhacen) is completed. 1037 - The Jivun, a Chinese rime dictionary, is published by Ding Du and expanded by later scholars. 1037 - Birth of the Chinese poet Su Shi, one of the renowned poets of the Song dynasty, who also penned works of travel literature. 1044 - The Wujing Zongyao
military manuscript is completed by Chinese scholars Zeng Gongliang, Ding Du, and Yang Weide. 1048-1100 - The Rubaiyat of Omar Khayyam is written by Chinese official Cai Xiang 1052 - The Uji Dainagon Monogatari, a collection of stories allegedly penned by Minamoto-
no-Takakuni, is written sometime between now and 1077. 1053 - The New History of the Five Dynasties by Chinese official Ouyang Xiu is completed. 1054 - Russian legal code of the Russkaya Pravda is created during the reign of Yaroslav I the Wise. 1057 - The Ostromir Gospels of Novgorod are written. 1060 - compilation of the New Book of Tang,
edited by Chinese official Ouyang Xiu, is complete. 1060 - the Mugni Gospels of Armenia are written in illuminated manuscript form. 1068 - The Book of Roads and Kingdoms is written by Abū 'Ubayd 'Abd Allāh al-Bakrī. 1070 - William I of England commissioned the Norman monk William of Jumièges to extend the Gesta Normannorum Ducum
chronicle. 1078 - The Proslogion is written by Anselm of Canterbury. 1080 - The Chinese poet Su Shi is exiled from court for writing poems criticizing the various reforms of the New Policies Group. c. 1080 - the Liber pantegni is written by Constantine the African. 1084 - The Zizhi Tongjian history is completed by Chinese official Sima Guang. 1086
The Domesday Book is initiated by William I of England. 1088 - The Dream Pool Essays is completed by Shen Kuo of Song China. The roots of European Scholasticism in Europe would bring about the Renaissance. In the 11th century, there were early Scholastic
figures such as Anselm of Canterbury, Peter Abelard, Solomon ibn Gabirol, Peter Lombard, and Gilbert de la Porrée. ^ Soekmono, R, Drs., Pengantar Sejarah Kebudayaan Indonesia 2, 2nd ed. Penerbit Kanisius, Yogyakarta, 1973, 5th reprint edition in 1988 p.52 ^ "index". www.muslimphilosophy.com. ^ Soekmono, R, Drs., Pengantar Sejarah
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Darlington, 474-475. ^ Seife, 77. ^ Darlington, 473. ^ Tester, 131-132. ^ Darlington, 467-468. ^ Tester, 130-131, 156. ^ Salhab, 51. ^ Darlington, 475. ^ Seife, 77. ^ Darlington, 473. ^ Tester, 131-132. ^ Darlington, 467-468. ^ Tester, 130-131, 156. ^ Salhab, 51. ^ Darlington, 475. ^ Seife, 77. ^ Darlington, 475. ^ 
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250 | 500) Retrieved from "WhatLinksHere/11th century" Presentation application, part of Microsoft Corporation. For other uses, see Power point (disambiguation). Microsoft PowerPoint presentation being created and edited in PowerPoint, running on Windows
11Developer(s) Microsoft Initial release April 20, 1987; 38 years ago (1987-04-20) Stable release 2312 (Build 17126.20132) / January 9, 2024; 16 months ago (2024-01-09)[1] Written in C++ (back-end)[2] Operating system Microsoft Windows Predecessor Forethought Powerpoint Available in 102 languages (3] List of languages Afrikaans, Albanian, Amharic
 Arabic, Armenian, Assamese, Azerbaijani (Latin), Bangla (Bengali India), Basque, Belarusian, Cech, Danish, Dari, Dutch, English, Estonian, Filipino, Finnish, French, Galician, Georgian, German, Greek, Gujarati, Hausa, Hebrew, Hindi, Basque, Belarusian, Catalan, Chinese (Simplified), Ch
 Hungarian, Icelandic, Igbo, Indonesian, Irish, isiXhosa, isiZulu, Italian, Japanese, Kannada, Kazakh, Khmer, Kinyarwanda, Kiswahili, Konkani, Malayalam, Maltese, Maori, Marathi, Mongolian (Cyrillic), Nepali, Norwegian (Bokmål), Norwegian (Nynorsk)
Odia, Pashto, Persian (Farsi), Polish, Portuguese (Brazil), Portuguese (
(Cyrillic), Telugu, Thai, Turkish, Turkish, Turkish, Turkish, Turkish, Turkish, Turkish, Turkmen (Latin), Valencian, Vietnamese, Welsh, Wolof, YorubaTypePresentation programLicenseTrialwareWebsitemicrosoft.com/en-us/microsoft PowerPoint for Android OSPowerPoint for Android running on Android 13Developer(s)Microsoft
CorporationStable release16.0.16501.20160 / May 26, 2023; 23 months ago (2023-05-26)[4] Operating systemAndroid Pie or laterTypePresentation programLicenseProprietary commercial softwareWebsiteproducts.office.com/en-us/powerpoint Microsoft PowerPoint for MacPowerPoint for Mac (version 16.69.1), running on macOS Ventura
(13.2)Developer(s)MicrosoftInitial releaseApril 20, 1987; 38 years ago (2023-02-14)[5] Written inC++ (back-end), Objective-C (API/UI)[2]Operating systemmacOS 11 or laterAvailable in26 languages[6]List of languagesEnglish, Arabic, Czech, Danish, Dutch, Finnish
 French, German, Greek, Hebrew, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian Bokmål, Polish, Portuguese, Russian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Slovak, Spanish, Swedish, Swedi
CorporationStable release 2.95.2 / March 21, 2025; 57 days ago (2025-03-21)[7] Operating systemiOS 15 or later Available in 33 languages English, Arabic, Catalan, Croatian, Erench, German, Greek, Hebrew, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean
Malay, Norwegian Bokmål, Polish, Portuguese, Romanian, Russian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Ukrainian, Vietnamese TypePresentation programLicense Proprietary commercial software Website products. office.com/en-us/powerpoint PowerPoint Mobile for Windows 10Developer(s) Microsoft Final Russian, Vietnamese TypePresentation programLicense Proprietary commercial software Website Products.
release 16002.12325.20032.0 / December 10, 2019; 5 years ago (2019-12-10) Operating systemWindows 10, Windows 10 Mobile Type Presentation program License Trialware Websitewww.microsoft.com/store/productid/9WZDNCRFJB5Q Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsoft PowerPoint is a presentation program. [8] developed by Microsof
Gaskins, Tom Rudkin, and Dennis Austin[8] at a software company named Forethought, Inc.[8] It was released on April 20, 1987,[9] initially for Macintosh computers only.[8] Microsoft set up a new
business unit for PowerPoint in Silicon Valley where Forethought had been located.[11] PowerPoint became a component of the Microsoft Office suite, first offered in 1989 for Macintosh[12] and in 1990 for Windows,[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[12] and in 1990 for Windows,[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[12] and in 1990 for Windows,[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[12] and in 1990 for Windows,[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[12] and in 1990 for Windows,[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[12] and in 1990 for Windows,[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[12] and in 1990 for Windows,[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[12] and in 1990 for Windows,[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1989 for Macintosh[13] which bundled several Microsoft Office suite, first offered in 1980 for Macint
development, and adopted shared common components and a converged user interface.[14] PowerPoint's market share was very small at first, prior to introducing a version for Microsoft Windows, but grew rapidly with the growth of Windows, but grew rapidly with the growth of Windows and of Office.[15]:402-404 Since the late 1990s, PowerPoint's worldwide market share of presentation
software has been estimated at 95 percent.[16] PowerPoint was originally designed to provide visuals for group presentations within business and beyond.[17] The wider use led to the development of the PowerPoint presentation as a new form of
communication,[18] with strong reactions including advice that it should be used less,[22] The first PowerPoint version (Macintosh 1987) was used to produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce overhead transparencies,[22] The second (Macintosh 1988, Windows 1990) could also produce
1992) introduced video output of virtual slideshows to digital projectors, which would over time replace physical transparencies and slides. [22] A dozen major versions since then have added additional features and modes of operation [14] and have made PowerPoint available beyond Apple Macintosh and Microsoft Windows, adding versions for iOS,
Android, and web access.[23] Microsoft PowerPoint 2013-2019 logo PowerPoint was created by Robert Gaskins and Dennis Austin at a software startup in Silicon Valley named Forethought, Inc.[24] Forethought had been founded in 1983 to create an integrated environment and applications for future personal computers that would provide a
graphical user interface, but it had run into difficulties requiring a "restart" and new plan. [25] On July 5, 1984, Forethought hired Robert Gaskins as its vice president of product development [26]: 51 to create a new application that would be especially suited to the new graphical personal computers, such as the Apple Macintosh and later Microsoft
 Windows.[27] Gaskins produced his initial description of PowerPoint about a month later (August 14, 1984) in the form of a 2-page document titled "Presentation Graphics for Overhead Projection."[28] By October 1984, Gaskins had selected Dennis Austin to be the developer for PowerPoint.[29] Gaskins and Austin worked together on the definition
and design of the new product for nearly a year, and produced the first specification document dated August 21, 1985.[30] This first design document showed a product for nearly a year, and produced the first specification document dated August 21, 1985.[30] This first design document showed a product for nearly a year, and produced the first specification document dated August 21, 1985.[30] This first design document showed a product for nearly a year, and produced the first specification document dated August 21, 1985.[30] This first design document showed a product for nearly a year, and produced the first specification document dated August 21, 1985.[30] This first design document showed a product for nearly a year, and produced the first specification document dated August 21, 1985.[30] This first design document showed a product for nearly a year, and produced the first specification document dated August 21, 1985.[30] This first design document showed a product as it would look in Microsoft Windows 1.0,[31] which at that time had not been released.[32] Development from that specific action of the first specific action of th
[26]: 104 About six months later, on May 1, 1986, Gaskins and Austin chose a second developer to join the project, Thomas Rudkin. [26]: 149 Gaskins prepared two final product specification marketing documents in June 1986; these described a product for both Macintosh and Windows. [33][34] At about the same time, Austin, Rudkin, and Gaskins
 produced a second and final major design specification document, this time showing a Macintosh look.[35] Throughout this development period, the product was called "Presenter" was unexpectedly rejected
 because it had already been used by someone else. Gaskins says that he thought of "PowerPoint", based on the product's goal of "empowering" individual presenters, and sent that name to the lawyers for clearance, while all the documentation was hastily revised.[36] Funding to complete development of PowerPoint was assured in mid-January 1987
 when a new Apple Computer venture capital fund, called Apple's Strategic Investment Group,[37] selected PowerPoint to be its first investment. [26]:169-171 A month later, on February 22, 1987, Forethought announced PowerPoint to be its first investment.
 "We see desktop presentation as potentially a bigger market for Apple than desktop publishing."[38] PowerPoint 1.0 for Macintosh shipped from manufacturing to plan a new application to create presentations, an activity led by Jeff
Raikes, who was head of marketing for the Applications Division.[40] Microsoft assigned an internal group to write a specification and plan for a new presentation product.[41] They contemplated an acquisition to speed up development, and in early 1987 Microsoft sent a letter of intent to acquire Dave Winer's product called MORE, an outlining
program that could print its outlines as bullet charts.[42] During this preparatory activity Raikes discovered that a program specifically to make overhead presentations was already being developed by Forethought, Inc., and that it was nearly completed.[40] Raikes and others visited Forethought on February 6, 1987, for a confidential demonstration
 [26]: 173 Raikes later recounted his reaction to seeing PowerPoint and his report about it to Bill Gates, who was initially skeptical: [40] I thought, "software to do overheads—that's a great idea." I came back to see Bill. I said, "Bill, I think we really ought to do this;" and Bill said, "No, no, no, no, that's just a feature of Microsoft Word, just put it into
 Word." ... And I kept saying, "Bill, no, it's not just a feature of Microsoft Word, it's a whole genre of how people do these presentations." And, to his credit, he listened to me and ultimately allowed me to go forward and ... buy this company in Silicon Valley called Forethought, for the product known as PowerPoint. When PowerPoint was released by
Forethought, its initial press was favorable; the Wall Street Journal reported on early reactions: "I see about one product a year I get this excited about, says Amy hora, a consultant in Bala Cynwyd, Pa. 'People will buy a Macintosh just to get access to this product.'"[43] On April 28, 1987, a week after shipment, a group of Microsoft's senior
executives spent another day at Forethought to hear about initial PowerPoint sales on Macintosh and plans for Windows.[26]:191 The following day, Microsoft sent a letter of intent to acquire Forethought.[45] As requested in
that letter of intent, Robert Gaskins from Forethought went to Redmond for a one-on-one meeting with Bill Gates in early June 1987,[26]: 197 and by the end of July an agreement was concluded for an acquisition. The New York Times reported: [46] ... July 30, 1987—The Microsoft Corporation announced its first significant software acquisition today,
paying $14 million [$38.7 million in present-day terms[47]] for Forethought Inc. of Sunnyvale, Calif. Foreth
 Wash. Forethought would remain in Sunnyvale, giving Microsoft's president Jon Shirley offered his company's motivation for the acquisition: "We made this deal primarily because of our belief in desktop presentations
as a product category. ... Forethought was first to market with a product in this categories; Raikes said that after the acquisition it would lead in five categories. (Forethought distributed the database Filemaker, which Microsoft wanted to continue marketing.)
The company intended for Forethought to be its Silicon Valley base to develop and market future graphics software, [49] so set up within its Applications Division, an independent "Graphics Business Unit" for PowerPoint, the first Microsoft application group distant from the main Redmond location. The company hoped to hire employees uninterested
in living in Washington state. [48] All the PowerPoint people from Forethought joined Microsoft, and the new location was headed by Robert Gaskins, with Dennis Austin and Thomas Rudkin leading development. PowerPoint 1.0 for Macintosh was modified to indicate the new Microsoft ownership and continued to be sold. A year after the acquisition,
Gaskins reported that all seven Forethought PowerPoint employees had stayed with Microsoft, and the Graphics Business Unit had hired 12 employees, many of whom did not want to move to Redmond. The GBU had moved to a new location on Sand Hill Road in Menlo Park, California; it was much larger than needed for 19 people, but Gaskins wrote
that he and Microsoft wanted future capacity as the company grew in Silicon Valley. [50] A new PowerPoint 2.0 for Macintosh, adding color 35 mm slides, shipped in May 1988, [50] and again received good reviews. [51] The same PowerPoint 2.0 product re-developed for Windows was shipped two years later, in mid-1990, at the same time as Windows
3.0.[52] Much of the color technology was the result of a joint development partnership with Genigraphics, the dominant presentation services company.[53] PowerPoint 3.0, which was shipped in 1992 for both Windows and Mac, added live video for projectors and monitors, with the result that PowerPoint was thereafter used for delivering
presentations as well as for preparing them. This was at first an alternative to overhead transparencies and 35 mm slides, but over time would come to replace them. [54] See also: History of Microsoft Office PowerPoint had been included in Microsoft Office PowerPoint as the first Office bundle for
 Macintosh which was offered in mid-1989.[55] When PowerPoint 2.0 for Windows appeared, a year later, it was part of a similar Office bundle for Windows, which was offered in late 1990.[56] Both of these were bundling promotions, in which the independent applications were packaged together and offered for a lower total price.[55][56] PowerPoint
3.0 (1992) was again separately specified and developed,[14] and was advertised and sold separately from Office.[57] It was, as before, included in Microsoft Office 3.0, both for Windows and the corresponding version for Macintosh.[58] A plan to integrate the applications themselves more tightly had been indicated as early as February 1991, toward
the end of PowerPoint 3.0 development, in an internal memo by Bill Gates:[59] Another important question is what portion of our applications versus a single product. ... Please assume that we stay ahead in integrating our family together in evaluating our future strategies—the product teams WILL deliver
on this. ... I believe that we should position the "OFFICE" as our most important application. The move from bundling separate products to integrated development from Redmond.[60] The PowerPoint 4.0, developed in 1993-1994 under new management from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent "Graphics" and the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent "Graphics" and the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent "Graphics" and the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent "Graphics" and the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent "Graphics" and the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent from Redmond.[60] The PowerPoint group in Silicon Valley was reorganized from the independent from Redmond group in Silicon Valley was reorganized from the independent from Redmond group in Silicon Valley was reorganized from the independent from Redmond group in Silicon Valley was reorganized from the independent from Redmond group in Silicon Valley was reorganized from the independent from Redmond group 
Business Unit" (GBU) to become the "Graphics Product Unit" (GPU) for Office, and PowerPoint 4.0 has been re-engineered from the ground up to
resemble and work with the latest applications in Office: Word 6.0, Excel 5.0, and Access 2.0. The integration is so good, you'll have to look twice to make sure you're running PowerPoint and not Word or Excel."[61] Office integration was further underscored in the following version, PowerPoint 95, which was given the version number PowerPoint 7.0
(skipping 5.0 and 6.0) so that all the components of Office would share the same major version number. [62] Although PowerPoint by this point had become part of the integrated Microsoft Office product, its development remained in Silicon Valley. Succeeding versions of PowerPoint introduced important changes, particularly version 12.0 (2007)
which had a very different shared Office "ribbon" user interface, and a new shared Office XML-based file format.[63] This marked the 20th anniversary at its Silicon Valley Campus for the PowerPoint, and Microsoft held an event to commemorate that anniversary at its Silicon Valley Campus for the PowerPoint team there. Special guests were Robert Gaskins, Dennis Austin, and
Thomas Rudkin, and the featured speaker was Jeff Raikes, all from PowerPoint 1.0 days, 20 years before. [64] Since then major development of PowerPoint 2016 have made it possible to ship versions of PowerPoint 2016 for Windows, Mac, iOS,
Android, and web access nearly simultaneously, [citation needed] and to release new features on an almost monthly schedule. [65] PowerPoint development is still carried out in Silicon Valley as of 2017 [update]. [66] In 2010, Jeff Raikes, who had most recently been President of the Business Division of Microsoft (including responsibility for Office), [67]
observed: "of course, today we know that PowerPoint is oftentimes the number one—most-used tool" among the applications in 1989, all for Macintosh.[68]
 PowerPoint's market share in its first three years was a tiny part of the total presentation market, which was very heavily dominated by MS-DOS in 1988-1989[70] were Harvard Graphics (introduced by Software Publishing in 1986[71]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1989[70]) in first place, and Lotus Freelance Plus (also introduced in 1988-1
1986[72]) as a strong second.[73] They were competing with more than a dozen other MS-DOS presentation products,[74] and Microsoft did not develop a PowerPoint sales were disappointing. Jeff Raikes, who had bought PowerPoint for Microsoft, later recalled: "By 1990, it looked like it wasn't
a very smart idea [for Microsoft to have acquired PowerPoint], because not very many people were using PowerPoint."[40] This began to change when the first version for Windows, PowerPoint 2.0, brought sales up to about 200,000 copies in 1991, with Windows units outselling Macintosh.[68]:403 PowerPoint
 sold about 1 million copies in 1992, of which about 80 percent were for Windows and about 20 percent for Macintosh,[68]:403 and in 1992 PowerPoint's market share of worldwide presentation graphics software sales was reported as 63 percent.[68]:404 By the last six months of 1992, PowerPoint revenue was running at a rate of over $100 million
annually ($277 million in present-day terms[47]).[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 2 million copies in 1993, of which about 90 percent were for Windows and about 10 percent for Macintosh,[68]:403 and in 1993 PowerPoint 3.0 doubled to about 2 million copies in 1993, of which about 90 percent were for Windows and about 10 percent for Macintosh,[68]:403 and in 1993 PowerPoint 3.0 doubled to about 10 percent were for Windows and about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled to about 10 percent for Macintosh,[68]:405 [76] Sales of PowerPoint 3.0 doubled
both years, about half of total revenue came from sales outside the U.S.[68]:404 By 1997 PowerPoint sales had doubled again, to more than 4 million copies annually, representing 85 percent of the world market.[77] Also in 1997, an internal publication from the PowerPoint group said that by then over 20 million copies of PowerPoint were in use, and
that total revenues from PowerPoint over its first ten years (1987 to 1996) had already exceeded $1 billion.[78] Since the late 1990s, PowerPoint over its first ten years (1987 for Macintosh) could be used to
print black and white pages to be photocopied onto sheets of transparent film for projection from overhead projectors, and to print speaker's notes and audience handouts; the next version (1988 for Macintosh, 1990 for Windows) was extended to also produce color 35mm slides by communicating a file over a modem to a Genigraphics imaging center
 with slides returned by overnight delivery for projection from slide projectors. PowerPoint was used for planning and preparing a presentation, but not for delivering it (apart from previewing it on a computer screen, or distributing printed paper copies).[80] The operation of PowerPoint changed substantially in its third version (1992 for Windows and
Macintosh), when PowerPoint was extended to also deliver a presentation by producing direct video output to digital projectors or large monitors. [80] In 1992 video projection of presentation by producing direct video output to digital projectors or large monitors.
that use for the first time at a large Microsoft meeting held in Paris on February 25, 1992, by using an unreleased development build of PowerPoint 3.0 running on an early pre-production sample of a powerful new color laptop and feeding a professional auditorium video projector.[81]: 373–375 By about 2003, ten years later, digital projection had
become the dominant mode of use, replacing transparencies and 35mm slides and their projectors.[81]:410-414[82] As a result, the meaning of "PowerPoint presentation" narrowed to mean specifically digital projection:[83] ... in the business lexicon, "PowerPoint presentation" had come to refer to a presentation made using a PowerPoint slideshow
projected from a computer. Although the PowerPoint software had been used to generate transparencies for over a decade, this usage was not typically encompassed by a common understanding of the term. In contemporary operation, PowerPoint is used to create a file (called a "presentation" or "deck") containing a sequence of pages (called "slides"
in the app) which usually have a consistent style (from template masters), and which may contain information imported from other apps or created in PowerPoint, including text, bullet lists, tables, charts, drawn shapes, images, audio clips, video clips, animations of elements, and animated transitions between slides, plus attached notes for each slide.
[84] After such a file is created, typical operation is to present it as a slide show using a portable computer or available from a network, and the computer is screen shows a "presenter view" with current slide, next slide, speaker's notes for the current slide, and other information. [85] Video is sent
 from elsewhere in the room. In addition to a computer slide show projected to a live audience by a speaker, PowerPoint can be used to deliver a presentation to a computer of other ways: Displayed on the screen of the presentation in a number of other ways: Displayed on the screen of the presentation computer or tablet (for a very small group)[88] Printed for distribution as paper documents (in several formats)[89]
 Distributed as files for private viewing, even on computers without PowerPoint[90] Packaged for distribution on CD or a network, including linked and embedded in a web page or blog[93] Shared on social networks such as Facebook or Twitter[94] Set up as a self-
running unattended display[95] Recorded as video/audio (H.264/AAC), to be distributed as for any other video[96] Some of these ways of using PowerPoint have been studied by JoAnne Yates and Wanda Orlikowski of the MIT Sloan School of Management:[83] The standard form of such presentations involves a single person standing before a group of
people, talking and using the PowerPoint slideshow to project visual aids onto a screen. ... In practice, however, presentations are not always delivered in this mode. In our studies, we often found that the presenter sat at a table with a small group of people and walked them through a "deck", composed of paper copies of the slides. In some cases,
decks were simply distributed to individuals, without even a walk-through or discussion. ... Other variations in the form included sending the PowerPoint file electronically to another site and talking through the slides over an audio or video channel (e.g., telephone or video conference) as both parties viewed the slides. ... Another common variation
 was placing a PowerPoint file on a web site for people to view at different times. They found that some of the substance of the presentation, and thus need considerably more content than they would have if they
 were intended for projection by a speaker who would orally provide additional details and nuance about content and context."[83] PowerPoint Mobile is included with Windows Mobile 5.0. It is a presentation program capable of reading and editing Microsoft PowerPoint presentations, although authoring abilities are limited to adding notes, editing
 text, and rearranging slides. It can't create new presentations. [97][98] Versions of PowerPoint Mobile for Windows Phone 7 can also watch presentation broadcasts streamed from the Internet.
presentations, present, and share their PowerPoint documents.[100] Further information: Microsoft PowerPoint for the web powerPoint for the web does not
support inserting or editing charts, equations, or audio or video stored on your PC, but they are all displayed in the presentation if they were added in using a desktop app. Some elements, like WordArt effects or more advanced animations and transitions, are not displayed at all, although they are preserved in the document. PowerPoint for the web
also lacks the Outline, Master, Slide Sorter, and Presenter views present in the desktop app, as well as having limited printing options. [101] A PowerPoint presentation in progress PowerPoint was originally targeted just for business presentations.
not target other existing large groups of users of presentations, such as school teachers or military officers. ... I also did not plan to target people who were not existing users of presentations ... such as clergy and school children ... .
[102]:76-77 Business people had for a long time made presentations for sales calls and for internal company communications, and PowerPoint use in business grew over its first five years (1987-1992) to sales of about 1 million copies annually, for
 worldwide market share of 63 percent.[68] Over the following five years (1992-1997) PowerPoint sales accelerated, to a rate of about 4 million copies annually, for worldwide market share of 85 percent.[103] The increase in business use has been attributed to "network effects", whereby additional users of PowerPoint in a company or an industry
 increased its salience and value to other users. [104] Not everyone immediately approved of the greater use of PowerPoint for presentations at internal business meetings included Lou Gerstner (at IBM, in 1993), [105] Scott McNealy (at Sun
Microsystems, in 1996),[106] and Steve Jobs (at Apple, in 1997).[107] But even so, Rich Gold, a scholar who studied corporate presentation use at Xerox PARC, could write in 1999: "Within today's corporation, if you want to communicate an idea ... you use PowerPoint."[108] At the same time that PowerPoint was becoming dominant in business
 settings, it was also being adopted for uses beyond business: "Personal computing ... scaled up the production of presentations .... The result has been the rise of presentation culture. In an information society, nearly everyone presentation society, nearly everyone presentations. ...
Bell Labs engineer Robert W. Lucky could already write about broader uses:[110] ... the world has run amok with the giddy power of presentation graphics. A new language is in the air, and it is codified in PowerPoint. ... In a family discussion about what to do on a given evening, for example, I feel like pulling out my laptop and giving a Vugraph
presentation... In church, I am surprised that the preachers haven't caught on yet. ... How have we gotten on so long without PowerPoint? Over a decade or so, beginning in the mid-1990s, PowerPoint began to be used in many communication situations, well beyond its original business presentation uses, to include teaching in schools[111] and in
 universities,[112] lecturing in scientific meetings[113] (and preparing their related poster sessions[114]), worshipping in churches,[115] making legal arguments in spacesuits for NASA astronauts,[118] giving military briefings,[119] issuing governmental
reports,[120] undertaking diplomatic negotiations,[121][122] writing novels,[123] giving architectural demonstrations,[124] prototyping website designs,[125] creating animated video games,[127] creating architectural demonstrations,[128] and even as a substitute for writing engineering technical reports,[129] and as an organizing tool for
writing general business documents.[130] By 2003, it seemed that PowerPoint was being used everywhere. Julia Keller reported for the Chicago Tribune:[131] PowerPoint ... is one of the most pervasive and ubiquitous technological tools ever concocted. In less than a decade, it has revolutionized the worlds of business, education, science, and
communications, swiftly becoming the standard for just about anybody who wants to explain just about anybody else. From corporate middle managers reporting on production goals to 4th-graders fashioning a show-and-tell on the French and Indian War to church pastors explicating the seven deadly sins ... PowerPoint seems
poised for world domination. As uses broadened, cultural awareness of PowerPoint grew and communication practices as well as the dysfunctions of organizational
culture."[132] Indications of this awareness included increasing mentions of PowerPoint use in the Dilbert comic strips of Scott Adams,[133] comic parodies of Shakespeare's Hamlet and Nabokov's Lolita in PowerPoint,[136] and a vast number of
publications on the general subject of PowerPoint, especially about how to use it.[137][138] Out of all the analyses of PowerPoint over a quarter of a century, at least three general themes emerged as categories of reaction to its broader use: (1) "Use it less": avoid PowerPoint in favor of alternatives, such as using more-complex graphics and written
prose, or using nothing;[19] (2) "Use it differently": make a major change to a PowerPoint style but learn to avoid making many kinds of mistakes that can interfere and pictorial, turning the presentation toward a performance, more like a Steve Jobs keynote;[20] and (3) "Use it differently": make a major change to a PowerPoint style but learn to avoid making many kinds of mistakes that can interfere and pictorial, turning the presentation toward a performance, more like a Steve Jobs keynote;[20] and (3) "Use it differently": make a major change to a PowerPoint style but learn to avoid making many kinds of mistakes that can interfere and pictorial, turning the presentation toward a performance, more like a Steve Jobs keynote; [20] and (3) "Use it differently": make a major change to a PowerPoint style but learn to avoid making many kinds of mistakes that can interfere and pictorial, turning the presentation toward a performance, more like a Steve Jobs keynote; [20] and (3) "Use it differently": make a major change to a PowerPoint style but learn to avoid making many kinds of mistakes that can interfere and pictorial, turning the presentation toward a performance, more like a Steve Jobs keynote; [20] and (3) "Use it differently": make a major change to a PowerPoint style but learn to a performance and pictorial to
 with communication.[21] See also: Edward Tufte and Anti-PowerPoint Party An early reaction was that the broader use of PowerPoint was a mistake, and should be reversed. An influential example of this came from Edward Tufte, an authority on information design, who has been a professor of political science, statistics, and computer science at
 Princeton and Yale, but is best known for his self-published books on data visualization, which have sold nearly 2 million copies as of 2014.[139] In 2003, he published a widely-read booklet titled The Cognitive Style of PowerPoint, many of which he
attributed to the standard default style templates:[19] PowerPoint's convenience for some presentation: foreshortening of evidence and thought, low spatial resolution, an intensely hierarchical single-path structure
as the model for organizing every type of content, breaking up narratives and data into slides and minimal fragments, rapid temporal sequencing of thin information rather than focused spatial analysis, conspicuous chartjunk and PP Phluff, branding of slides with logotypes, a preoccupation with format not content, incompetent designs for data
graphics and tables, and a smirky commercialism that turns information into a sales pitch and presenters into marketeers [italics in original]. Tufte particularly advised against using PowerPoint for reporting scientific analyses, using as a dramatic example some slides made during the flight of the space shuttle Columbia after it had been damaged by
an accident at liftoff, slides which poorly communicated the engineers' limited understanding of what had happened.[19]:8-14 For such technical presentations, and for most occasions apart from its initial domain of sales presentations, and for most occasions apart from its initial domain of sales presentations, and for most occasions apart from its initial domain of sales presentations, and for most occasions apart from its initial domain of sales presentations, and for most occasions apart from its initial domain of sales presentations, and for most occasions apart from its initial domain of sales presentations, and for most occasions apart from its initial domain of sales presentations, and for most occasions apart from its initial domain of sales presentations, and for most occasions apart from its initial domain of sales presentations, and for most occasions apart from its initial domain of sales presentations, and for most occasions apart from its initial domain of sales presentations.
substitute high-resolution graphics or concise prose documents as handouts for the audience to study and discuss, providing a great deal more detail.[19] Many commentators enthusiastically joined in Tufte's vivid criticism of PowerPoint uses, [140] and at a conference held in 2013 (a decade after Tufte's booklet appeared) one paper claimed that
 "Despite all the criticism about his work, Tufte can be considered as the single most influential author in the discourse on PowerPoint. ... While his approach was not rigorous from a research perspective, his articles received wide resonance with the public at large ... ."[141] There were also others who disagreed with Tufte's assertion that the
 PowerPoint program reduces the quality of presenters' thoughts: Steven Pinker, professor of psychology at MIT and later Harvard, had earlier argued this opinion: "Any general opposition to PowerPoint is just dumb, ... It's like denouncing
 lectures—before there were awful PowerPoint presentations, there were awful scripted lectures, unscripted lectures, slide shows, chalk talks, and so on."[143] Much of the early commentary, on all sides, was "informal" and "anecdotal", because empirical research had been limited.[144] See also: Richard E. Mayer and Steve Jobs Keynotes A second
reaction to PowerPoint use was to say that PowerPoint can be used well, but only by substantially changing its style of use. This reaction is exemplified by Richard E. Mayer, a professor of psychology at the University of California, Santa Barbara, who has
published more than 500 publications, including over 30 books.[145] Mayer's theme has been that "In light of the science, it is up to us to make a fundamental shift in our thinking—we can no longer expect people to struggle to try to adapt to our PowerPoint habits. Instead, we have to change our PowerPoint habits to align with the way people learn.
 [20] Tufte had argued his judgment that the information density of text on PowerPoint slides was too low, perhaps only 40 words on a slide, leading to over-simplified messages; [146] Mayer responded that his empirical research showed exactly the opposite, that the amount of text on PowerPoint slides was usually too high, and that even fewer than 40
 words on a slide resulted in "PowerPoint overload" that impeded understanding during presentations. [147] Mayer suggested a few major changes from traditional PowerPoint formats: [20] replacing brief slide titles with longer "headlines" expressing complete ideas; showing more slides but simpler ones; removing almost all text including nearly all
 bullet lists (reserving the text for the spoken narration); using larger, higher-quality, and more important graphics and photographs; removing all extraneous decoration, backgrounds, logos and identifications, everything but the essential message. Mayer's ideas are claimed by Carmine Gallo to have been reflected in Steve Jobs's presentations:
 "Mayer outlined fundamental principles of multimedia design based on what scientists know about cognitive functioning. Steve Jobs's slides adhere to each of Mayer's principles ... ."[148]: 92 Though not unique to Jobs, many people saw the style for the first time in Jobs's famous product introductions.[149] Steve Jobs would have been using Apple
 Keynote, which was designed for Jobs's own slide shows beginning in 2003, but Gallo says that "speaking like Jobs has little to do with the type of presentation software you use (PowerPoint, Keynote, etc.) ... all the techniques apply equally to PowerPoint and Keynote."[148]:14,46 Gallo adds that "Microsoft's PowerPoint has one big advantage over
Apple's Keynote presentation software—it's everywhere ... it's safe to say that the number of Keynote presentation designers who are familiar with both formats prefer to work in the more elegant Keynote system, those same designers will tell you that the majority of their
 client work is done in PowerPoint."[148]:44 Consistent with its association with Steve Jobs's keynotes, a response to this style has been that it is particularly effective for "ballroom-style presentations" (as often given in conference center ballrooms) where a celebrated and practiced speaker addresses a large passive audience, but less appropriate for
 "conference room-style presentations" which are often recurring internal business meetings for in-depth discussion with motivated counterparts.[150] See also: Stephen Kosslyn A third reaction to PowerPoint use was to conclude that the standard style is capable of being used well, but that many small points need to be executed carefully, to avoid
 impeding understanding. This kind of analysis is particularly associated with Stephen Kosslyn, a cognitive neuroscientist who specializes in the psychology at Harvard, has been Director of Stanford's Center for Advanced Study in the Behavioral Sciences,
and has published some 300 papers and 14 books.[151] Kosslyn presented a set of psychological principles of "human perception, memory, and comprehension" that "appears to capture the major points of agreement among researchers."[152] He reports that his experiments support the idea that it is not intuitive or obvious how to create effective
PowerPoint presentations that conform to those agreed principles, and that even small differences that might not seem significant to a presenter can produce very different results in audiences' understanding. For this reason, Kosslyn says, users need specific education to be able to identify best ways to avoid "flaws and failures":[152] Specifically, we
 hypothesized and found that the psychological principles are often violated in PowerPoint slides ..., that some types of presentation flaws are noticeable and annoying to audience members ..., and that observers have difficulty identifying many violations in graphical displays in individual slides .... These studies converge in
 painting the following picture: PowerPoint presentations are commonly flawed; some types of flaws annoy the audience, flaws at the level of slide design are not always obvious to an untrained observer ... . The many "flaws and failures"
 identified were those "likely to disrupt the comprehension or memory of the material." Among the most common examples were "Bulleted items appear in a single list," "More than two lines are used per bulleted sentence," and "Words are not
large enough (i.e., greater than 20 point) to be easily seen." Among audience reactions common problems reported were "Speakers read word-for-word from notes or from the slides contained too much material to absorb before the next slide was presented," and "The main point was obscured by lots of irrelevant detail."[152]
 Kosslyn observes that these findings could help to explain why the many studies of the instructional effectiveness of PowerPoint have been inconclusive and conflicting, if there were differences in the quality of the presentations tested in different studies that went unobserved because "many may feel that 'good design' is intuitively clear."[152] In
2007 Kosslyn wrote a book about PowerPoint, in which he suggested a very large number of fairly modest changes to PowerPoint styles and gave advice on recommended ways of using PowerPoint, in which he suggested a very large number of fairly modest changes to PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on recommended ways of using PowerPoint styles and gave advice on the powerPo
3,200 ... there's nothing fundamentally wrong with the PowerPoint program as a medium; rather, I claim that the problem lies in how it is used. ... In fact, this medium is a remarkably versatile tool that can be extraordinarily effective. ... For many purposes, PowerPoint presentations are a superior medium of communication, which is why they have
 become standard in so many fields. In 2017, an online poll of social media users in the UK was reported to show that PowerPoint "remains as popular with young tech-savvy users as it is with the Baby Boomers," with about four out of five saying that "PowerPoint was a great tool for making presentations," in part because "PowerPoint, with its capacity to show that powerPoint was a great tool for making presentations," in part because "PowerPoint was a great tool for making presentations," in part because "PowerPoint was a great tool for making presentations," in part because "PowerPoint was a great tool for making presentations, with about four out of five saying that "PowerPoint was a great tool for making presentations," in part because "PowerPoint was a great tool for making presentations, with its capacity to show that "PowerPoint was a great tool for making presentations," in part because "PowerPoint was a great tool for making presentations, with its capacity to show that "PowerPoint was a great tool for making presentations," in part because "PowerPoint was a great tool for making presentations, with its capacity to show that "PowerPoint was a great tool for making presentations," in part because "PowerPoint was a great tool for making presentations, with the Baby Boomers, which is a great tool for making presentation was 
to be highly visual, bridges the wordy world of yesterday with the visual future of tomorrow."[154] Also in 2017, the Management polled their incoming MBA students, finding that "results underscore just how differently this generation communicates as compared with older workers."[155]
 Fewer than half of respondents reported doing any meaningful, longer-form writing at work, and even that minority mostly did so very infrequently, but "85 percent of students named producing presentations as a meaningful part of their job responsibilities. Two-thirds report that they present on a daily or weekly basis—so it's no surprise that in-
person presentations is the top skill they hope to improve."[155] Use of PowerPoint by the U.S. military services began slowly, because they were
 invested in mainframe computers, MS-DOS PCs and specialized military-specification graphic output devices, all of which PowerPoint did not support.[156] But because of the strong military tradition of presenting briefings, as soon as they acquired the computers needed to run it, PowerPoint became part of the U.S. military.[157] By 2000, ten years
after PowerPoint for Windows appeared, it was already identified as an important feature of U.S. armed forces culture, in a front-page story in the Wall Street Journal: [158] Old-fashioned slide briefings, designed to update generals on troop movements, have been a staple of the military since World War II. But in only a few short years PowerPoint has
altered the landscape. Just as word processing made it easier to produce long, meandering memos, the spread of PowerPoint has unleashed a blizzard of jazzy but often incoherent visuals. Instead of drawing up a dozen slides in
a few hours without ever leaving their desks. If the spirit moves them they can build in gunfire sound effects and images that explode like land mines. ... PowerPoint Ranger" is a derogatory term for a desk-bound bureaucrat more adept at
making slides than tossing grenades. U.S. military use of PowerPoint may have influenced its use by armed forces of other countries: "Foreign armed services also are beginning to get in on the act. 'You can't speak with the U.S. military without knowing PowerPoint,' says Margaret Hayes, an instructor at National Defense University in Washington
D.C., who teaches Latin American military officers how to use the software."[158] After another 10 years, in 2010 (and again on its front page) the New York Times reported that PowerPoint has crept into the daily lives of military
commanders and reached the level of near obsession. The amount of time expended on PowerPoint, the Microsoft presentation program of computer-generated charts, graphs and bullet points, has made it a running joke in the Pentagon and in Iraq and Afghanistan. ... Commanders say that behind all the PowerPoint jokes are serious concerns that the
program stifles discussion, critical thinking and thoughtful decision-making. Not least, it ties up junior officers ... in the daily preparation of slides, be it for a Joint Staff meeting in Washington or for a platoon leader's pre-mission combat briefing in a remote pocket of Afghanistan. The New York Times account went on to say that as a result some U.S.
 generals had banned the use of PowerPoint in their operations:[159] "PowerPoint makes us stupid," Gen. James N. Mattis of the Marine Corps, the Joint Forces commander, said this month at a military conference in North Carolina. (He spoke without PowerPoint.) Brig. Gen. H. R. McMaster, who banned PowerPoint presentations when he led the
 successful effort to secure the northern Iraqi city of Tal Afar in 2005, followed up at the same conference by likening PowerPoint to an internal threat. "It's dangerous because it can create the illusion of control," General McMaster said in a telephone interview afterward. "Some problems in the world are not bullet-
izable." Several incidents, about the same time, gave wide currency to discussions by serving military officers describing excessive PowerPoint use and the organizational culture that encouraged it.[160][161][162] In response to the New York Times story, Peter Norvig and Stephen M. Kosslyn sent a joint letter to the editor stressing the institutional
culture of the military: "... many military: "... many military personnel bemoan the overuse and misuse of PowerPoint. ... The problem is not in the tool itself, but in the way that people use it—which is partly a result of how institutions promote misuse."[163] The two generals who had been mentioned in 2010 as opposing the institutional culture of excessive PowerPoint
 use were both in the news again in 2017, when James N. Mattis became U.S. Secretary of Defense, [164] and H. R. McMaster was appointed as U.S. National Security Advisor. [165] Musician David Byrne has been using PowerPoint as a medium for art for years, producing a book and DVD and showing at galleries his PowerPoint-based artwork. [128]
 Byrne has written: "I have been working with PowerPoint, the ubiquitous presentation software, as an art medium for a number of years. It started off as a joke (this software is a symbol of corporate salesmanship, or lack thereof) but then the work took on a life of its own as I realized I could create pieces that were moving, despite the limitations of
the 'medium.'"[166] In 2005 Byrne toured with a theater piece styled as a PowerPoint presentation. When he presented it in Berkeley, on March 8, 2005, the University of California news service reported: "Byrne also defended [PowerPoint's] appeal as more than just a business tool—as a medium for art and theater. His talk was titled 'I
PowerPoint'. Berkeley alumnus Bob Gaskins and Dennis Austin were in the audience. Eventually, Byrne said, PowerPoint talk in Berkeley for an and Asian puppet theater, with roots in Brechtian drama and Asian puppet theater, and Dennis Austin were in the audience. Eventually, Byrne said, PowerPoint talk in Berkeley for an analysis of the audience.
audience of IT legends and academics. I was terrified. The guys that originally turned PowerPoint into a program were there, what were THEY gonna think? ... [Gaskins] did tell me afterwards that he liked the PowerPoint as theater idea, which was a relief."[168] The expressions "PowerPoint Art" or "pptArt" are used to define a contemporary Italian
artistic movement which believes that the corporate world can be a unique and exceptional source of inspiration for the artist. [169][170] They say: "The pptArt name refers to PowerPoint, the symbolic and abstract language developed by the corporate world which has become a unique and highly symbolic and abstract language developed by the corporate world which has become a unique and exceptional source of inspiration for the artist. [169][170] They say: "The pptArt name refers to PowerPoint, the symbolic and abstract language developed by the corporate world which has become a unique and exceptional source of inspiration for the artist. [169][170] They say: "The pptArt name refers to PowerPoint, the symbolic and abstract language developed by the corporate world which has become a unique and exceptional source of inspiration for the artist. [169][170] They say: "The pptArt name refers to PowerPoint, the symbolic and abstract language developed by the corporate world which has become a unique and exceptional source of inspiration for the artist. [169][170] They say: "The pptArt name refers to PowerPoint, the symbolic and abstract language developed by the corporate world which has become a unique and exceptional source of inspiration for the artist. [169][170] They say: "The pptArt name refers to PowerPoint, the symbolic and abstract language developed by the corporate world and a symbolic and 
and borders."[171] The wide use of PowerPoint animation to create "games, artworks, and may even be turning a dry presentation format into a full-fledged artistic medium,"[172] by using PowerPoint animation to create "games, artworks, anime, and movies."[173]
 PowerPoint Viewer is the name for a series of small free application programs to be used on computers without PowerPoint installed, to view, project, or print (but not create or edit) presentations. [174] The first version was introduced with PowerPoint 3.0 in 1992, to enable electronic presentations to be projected using conference-room computers without PowerPoint 3.0 in 1992, to enable electronic presentations.
and to be freely distributed; on Windows, it took advantage of the new feature of embedding TrueType fonts within PowerPoint 2003, a feature called "Package for CD
automatically managed all linked video and audio files plus needed fonts when exporting a presentation to a disk or flash drive or network location, [177] and also included a copy of a revised PowerPoint Viewer application so that the result could be presented on other PCs without installing anything. [178] The latest version that runs on Windows "was
created in conjunction with PowerPoint 2010, but it can also be used to view newer presentations, videos and effects appear and behave the same when viewed in PowerPoint 2010. "It supports presentations created using PowerPoint 2016. ... All transitions, videos and effects appear and behave the same when viewed using PowerPoint 2016. ... All transitions, videos and effects appear and behave the same when viewed using PowerPoint 2016. ... All transitions, videos and effects appear and behave the same when viewed using PowerPoint 2016. ... All transitions, videos and effects appear and behave the same when viewed using PowerPoint 2016. ... All transitions, videos and effects appear and behave the same when viewed using PowerPoint 2016. ... All transitions, videos and effects appear and behave the same when viewed using PowerPoint 2016. ... All transitions, videos and effects appear and behave the same when viewed using PowerPoint 2016. ... All transitions of the view of the vie
97 and later.[174] The latest version that runs on Macintosh is PowerPoint 98 Viewer for the Classic Environment, for Mac of Nac on Mac on Mac
Viewer on Windows.[180] As of May 2018[update], the last versions of PowerPoint Viewer for all platforms have been retired by Microsoft; they are no longer available for download and no longer receive security updates.[181] The final PowerPoint Viewer for Windows (2010)[182] and the final PowerPoint Viewer for Classic Mac OS (1998)[183][184]
are available only from archives. The recommended replacements for PowerPoint Viewer: "On Windows 7 or Windows 7 or Windows 8/8.1 PCs, upload the file to OneDrive and view it for free using ... PowerPoint Online."[181] Legend:Old version, not
maintainedOld version, still maintainedLatest versionLatest preview versionFuture version PowerPoint Old version, not maintained: 1.01 Macintosh Relabeled and
shipped by Microsoft May 1988[187] PowerPoint Old version, not maintained: 2.0 Macintosh Added Genigraphics software and services May 1990[189] PowerPoint Old version, not maintained: 2.0 Windows Announced with Windows 3.0, numbered to match contemporary
Macintosh version May 1992[190] PowerPoint Old version, not maintained: 3.0 Windows Announced with Windows 3.1 September 1994[191] PowerPoint Old version, not maintained: 4.0 Windows October 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[192] PowerPoint Old version, not maintained: 4.0 Windows Announced with Windows 3.1 September 1992[191] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[192] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994[193] PowerPoint Old version, not maintained: 4.0 Macintosh February 1994
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Web App 2013 Old version, still maintained: 15.0 Web November 2012[223] PowerPoint RT 2013 Old version, not maintained: 15.0 Windows RT January 2013[225] PowerPoint 2013 Old version, still maintained: 15.0 Windows June 2013[226]
PowerPoint Mobile 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2013 for iPhone Old version, still maintained: 15.0 Android February 2014[228] PowerPoint 2014[228] PowerPoint 2014[228] PowerPoint 2014[228] PowerPoint 2014[228] PowerPoint 2014[22
November 2014[230] PowerPoint Mobile 2013 for iOS Old version, still maintained: 15.0 iOS June 2015[231] PowerPoint Mobile 2016 for Macintosh Latest version: 16.0 Macintosh There had been no PowerPoint 2013 for Mac, [233] Was version 15.0 from July 2015 to January 2015 for Macintosh Latest version: 16.0 Macintosh There had been no PowerPoint 2016 for Macintosh Latest version: 16.0 Macintosh Latest ve
2018.[234] July 2015[235] PowerPoint Mobile 2016 Latest version: 16.0 Windows 10 Mobile 2016 for Windows 10 Mobile 2016 for Windows 2018 PowerPoint 2016 FowerPoint 2016 PowerPoint 2016 Po
2019 Latest version: 16.0 Windows and other OS This and subsequent versions (PowerPoint 2021 and Office 365 PowerPoint for Mac 2011 PowerPoint 1.0 For Macintosh: April 1987[185] Innovations included: multiple slides
in a single file, organizing slides with a slide sorter view and a title view (precursor of outline view), speakers' notes pages attached to each slide, printing of audience handouts with attached text for drawing diagrams and tables. [239] It also
shipped with a hardbound book as its manual. [240] "It produced overhead transparencies on a black-and-white Macintosh for laser printing. Presenters could now directly control their own overheads and would no longer have to work through the person with the typewriter. PowerPoint handled the task of making the overheads all look alike; one
change reformats them all. Typographic fonts were better than an Orator typeball, and charts and diagrams could be imported from MacDraw, MacPaint, and Excel, thanks to the new Mac clipboard."[241] System requirements: (Mac) Original Macintosh or better, System 1.0 or higher, 512K RAM.[242] PowerPoint 2.0 For Macintosh: May 1988;[187]
for Windows: May 1990[189] Part of Microsoft Office for Mac and Microsoft Office for Windows. Innovations, guide to color scheme for presentations, guide to color scheme retrospectively, shaded coloring for fills.[239] "It added color 35 mm
slides, transmitting the resulting file over a modem to Genigraphics for imaging on Genigraphics for its artists. After a short time, though,
Genigraphics itself switched to PowerPoint."[241] System requirements: (Mac) Original Macintosh or better, System 4.1 or higher, 1 MB RAM. (Windows 3.0, 1 MB RAM.) PowerPoint 3.0 For Windows 3.0, 1 MB RAM.
3.0. Innovations included: the first application designed exclusively for the new Windows 3.1 platform, full support for TrueType fonts (new in Windows 3.1), presentation templates, editing in outline view, new drawing, including freeform tool, autoshapes, flip, rotate, scale, align, and transforming imported pictures into their drawing primitives to
make them editable, transitions between slides in slide show, progressive builds, incorporating sound and video.[239] Animations included "flying bullets" where bullet points "flew" into the slide one by one, and some degree of Pen Computing support was included. [240] "It added video-out to feed the new video projectors, with effects that could
replace a bank of synchronized slide projectors. This version added fades, dissolves, and other transitions, as well as animation of text and pictures, and could incorporate video clips with synchronized audio."[241] System requirements: (Windows) 286 PC or higher, Windows 3.1, 2 MB RAM. (Mac) Macintosh Plus or better, System 7 or higher, 4 MB
RAM.[242] PowerPoint 4.0 For Windows: February 1994;[192] for Mac: October 1994[193] Part of Microsoft Office for Windows 4.0 and Microsoft Office for Windows 
Word and Excel), with status bar, toolbars, to
animation effects, real curves and textures, black and white view, autocorrect, insert symbol, meeting System requirements: (Windows) 386 DX PC or higher, Windows 95, 6 MB
RAM.[242] PowerPoint 8.0 For Windows: January 1997;[196] for Mac: March 1998[198] Part of Microsoft Office for Windows 97 and Microsoft Office 98 Macintosh Edition. Innovations included: "Office Assistant", file compression, save to HTML, "Pack and Go", "AutoClipArt", transparent GIFs.[240] System requirements: (Windows) 486 PC or higher
8 MB RAM. (Mac) PowerPC Mac or better, 16 MB RAM.[242] PowerPoint 9.0 For Windows: June 1999;[200] for Mac: August 2000[201] Part of Microsoft Office for Windows 2000 and Microsoft Off
 tables, presentation conferencing, save to web, picture bullets, animated GIFs, aliased fonts. [240] System requirements: (Windows) Pentium 75MHz+, Windows 95 or higher, 20 MB RAM. (Mac) PowerPC Mac 120MHz+ or better, MacOS 8.5 or higher, minimum 48 MB RAM. [242] PowerPoint 10.0 For Windows: May 2001; [202] for Mac: November
2001[204] Part of Microsoft Office for Windows XP and Microsoft Office for Mac v.X. Innovations included: install from web, most clipart on web, use of Exchange and SharePoint for storage and collaboration. [202] System requirements: (Windows 98 or higher, 40 MB RAM. [242] (Mac) OS X 10.1 ("Puma") or later (will not run
under OS 9).[243] PowerPoint 11.0 For Windows: October 2003;[205] for Mac: June 2004;[208] for Mac 2004. Innovations included: tools visible to presenter during slide show (notes, thumbnails, time clock, re-order and edit slides), "Package for CD" to write
presentation and viewer app to CD.[208] "Microsoft Producer for PowerPoint 2003" was a free plug-in from Microsoft, using a video camera, "that creates Web page presentation, coordinated and timed to your existing PowerPoint presentation, with talking head narration, coordinated and timed to your existing PowerPoint presentation."
 presentation for imaging as 35mm slides was removed from this version.[245] System requirements: (Windows) Pentium 233Mhz+, Windows 2000 with SP3 or later, 256 MB RAM.[208] PowerPoint 12.0 For Windows: January 2007;[210] for Mobile: September 2007;[212] for
 Mac: January 2008[213] Part of Microsoft Office for Windows 2007 and Microsoft Office for Mac 2008. Innovations included: new user interface ("Office Fluent") employing a changeable "ribbon" of tools across the top to replace menus and toolbars, SmartArt graphics, many graphical improvements in text and drawing, improved "Presenter View"
(from 2003), widescreen slide formats. The "AutoContent Wizard" was removed from this version. [247] A major change in PowerPoint 2007 was from a binary file format, used from 1997 to 2003, to a new XML file format which evolved over further versions. System requirements: (Windows) 500 MHz processor or higher, Windows XP with SP2 or
later, 256 MB RAM.[248] (Mac) 500 MHz processor or higher, MacOS X 10.4.9 or later, 512 MB RAM.[249] PowerPoint 14.0[215] For Windows: June 2010;[218] for Mac: November 2010,[218] for Symbian: April 2012[221] Part of Microsoft Office for Windows 2010 and Microsoft Office for Mac
2011. Innovations included: Single document interface (SDI), sections within presentations, reading view, redesign of "Backstage" functions (under File menu), save as video, insert video from web, embed video and audio, enhanced editing for video and for pictures, broadcast slideshow. [250] System requirements: (Windows) 500 MHz processor or
 higher, Windows XP with SP3 or later, 256 MB RAM, 512 MB RAM recommended for video. [251] (Mac) Intel processor, Mac OS X 10.5.8 or later, 1 GB RAM. [252] For Windows RT: November 2012; [223] for Windows RT: November 2012; [224] for Windows RT: November 2012; [225] for Windows RT: November 2012; [227] for Windows RT: November 2012; [228] for 
Android: July 2013;[227] for Web: February 2014;[228] for iPad: March 2014;[228] for iOS: November 2014;[230] for Mac: July 2015[232] Part of Microsoft Office for Windows 2013 and Microsoft Office for Windows 2013 and Microsoft Office for Windows 2014;[230] for Mac: July 2015[232] Part of Microsoft Office for Windows 2014;[230] for Mac: July 2015[232] Part of Microsoft Office for Windows 2014;[230] for Mac: July 2015[232] Part of Microsoft Office for Windows 2014;[230] for Mac: July 2015[232] Part of Microsoft Office for Windows 2014;[230] for Mac: July 2015[232] Part of Microsoft Office for Mac: July 2015[232] Part o
redesigned for multi-touch screens, improved audio, video, animations, and transitions, further changes to Presenter View. Clipart collections (and insertion tool) were removed, but available online. [253] [254] System requirements: (Windows) 1 GHz processor or faster, x86- or x64-bit processor with SSE2 instruction set, Windows 7 or later, 1 GB
RAM (32-bit), 2 GB RAM (64-bit).[255] (Mac) Intel processor, Mac OS X 10.10 or later, 4 GB RAM.[256] PowerPoint 16.0 For Android: June 2015;[237] and Windows Store: January 2018[238] Part of Microsoft Office for Windows 2016. Innovations included: "Tell
me" to search for program controls, "PowerPoint Designer" pane, Morph transition, real-time collaboration, "Zoom" to slides or sections in slideshow, [257] and "Presentation Translator" for real-time translation of a presenter's spoken words to on-screen captions in any of 60+ languages, with the system analyzing the text of the PowerPoint
presentation as context to increase the accuracy and relevance of the translations. [258] [259] System requirements: (Windows 7 with SP 1 or later, 2 GB RAM. [260] PowerPoint Presentation Filename extensions. pptx, .ppt[261] Internet media type
application/vnd.openxmlformats-officedocument.presentation application/vnd.ms-powerpoint[262]Uniform Type Identifier (UTI)com.microsoft.powerpoint.ppt[263]Developed by MicrosoftType of formatPresentation Early versions of PowerPoint, from 1987 through 1995 (versions 1.0 through 7.0), evolved through a sequence of binary
file formats, different in each version, as functionality was added. [264] This set of formats were never documented, but an open-source libmwaw (used by LibreOffice) exists to read them. [265] A stable binary format (called a .ppt file, like all earlier binary formats) that was shared as the default in PowerPoint 97 through PowerPoint 2003 for Windows
and in PowerPoint 98 through PowerPoint 2004 for Mac (that is, in PowerPoint 2004 for
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written by some later versions of PowerPoint, including PowerPoint 2016.[261] After the stable binary format was adopted, versions of PowerPoint 2007 and PowerPoint 2008 for Mac (PowerPoint version 12.0), this was the only
binary format available for saving; PowerPoint 2007 (version 12.0) no longer supported saving to binary file extensions are technically the same as ".ppt" and ".pptx", except they are launched as presentation instead of for editing by default.[269]
Binary filename extensions[261] .ppt, PowerPoint 97-2003 binary presentation .pps, PowerPoint 97-2003 binary slide show .pot, PowerPoint 97-2003 binary template Binary media types[262] .ppt, application/vnd.ms-powerpoint .pps, application/vnd.ms-powerpoint .pot, application/vnd.ms-
PowerPoint 2008 for Mac (PowerPoint version 12.0) was that the stable binary file format of 97-2003 was replaced as the default by a new zipped XML-based Office Open XML format (.pptx files).[270] Microsoft's explanation of the benefits of the change included: smaller file sizes, up to 75% smaller than comparable binary documents; security,
 through being able to identify and exclude executable macros and personal data; less chance to be corrupted than binary formats; and easier interoperability for exchanging data among Microsoft and other business applications, all while maintaining backward compatibility. [271] XML filename extensions [261] .pptx, PowerPoint 2007 XML
presentation .pptm, PowerPoint 2007 XML macro-enabled presentation .ppsx, PowerPoint 2007 XML macro-enabled slide show .ppsm, PowerPoint 2007 XML macro-enabled template XML media types[262] .pptx,
application/vnd.openxmlformats-officedocument.presentation.ml.presentation/vnd.ms-powerpoint.slideshow.macroEnabled.12 .ppam, application/vnd.ms-powerpoint.slideshow.macroEnabled.12 .ppam, application/vnd.ms-powerpoint.
 powerpoint.addin.macroEnabled.12 .potx, application/vnd.openxmlformats-officedocument.presentationml.template .potm, application/vnd.ms-powerpoint.template.nacroEnabled.12 The specification for the new format was published as an open standard, ECMA-376,[272] through Ecma International Technical Committee 45 (TC45).[273] The Ecma
376 standard was approved in December 2006, and was submitted for standardization process was contentious.[274] It was approved as ISO/IEC JTC 1/SC 34 WG4 in early 2007. The standardization process was contentious.[274] It was approved as ISO/IEC JTC 1/SC 34 WG4 in early 2007. The standardization process was contentious.[274] It was approved as ISO/IEC JTC 1/SC 34 WG4 in early 2007. The standardization process was contentious.[274] It was approved as ISO/IEC JTC 1/SC 34 WG4 in early 2007. The standardization process was contentious.[274] It was approved as ISO/IEC JTC 1/SC 34 WG4 in early 2007. The standardization process was contention process.[275] It was approved as ISO/IEC JTC 1/SC 34 WG4 in early 2007. The standardization process was contention process.[276] [277] These define two
 related standards known as "Transitional" and "Strict". The two standards were progressively adopted by PowerPoint version 12.0 (2007, 2008 for Mac) could read and write Transitional format, but could neither read nor write Strict format. PowerPoint version 14.0 (2010, 2011 for Mac) could read and write Transitional, and also read
but not write Strict. PowerPoint version 15.0 and later (beginning 2013, 2016 for Mac) can read and write both Transitional and Strict formats. The reason for the two variants was explained by Microsoft: [278] ... the participants in the ISO/IEC standardization process recognized two objectives with competing requirements. The first objective was for
the Open XML standard to provide an XML-based file format that could fully support conversion of the billions of existing Office documents without any loss of features, content, text, layout, or other information, including embedded data. The second was to specify a file format that did not rely on Microsoft-specific data types. They created two
variants of Open XML—Transitional, which supports previously-defined Microsoft-specific data types, and Strict, which does not rely on them. Prior versions of Office [that is, 2007] have supported reading and writing Transitional Open XML, and Office 2010 can read Strict Open XML documents. With the addition of write support for Strict Open XML.
XML, Office 2013 provides full support for both variants of Open XML. The PowerPoint .pptx file format (called "PresentationML" for PresentationML" for Presentation Markup Language) contains separate structures for all the complex parts of a PowerPoint presentation Markup Language) contains separate structures for all the complex parts of a PowerPoint presentation Markup Language) contains separate structures for all the complex parts of a PowerPoint presentation Markup Language) contains separate structures for all the complex parts of a PowerPoint presentation Markup Language) contains separate structures for all the complex parts of a PowerPoint presentation Markup Language) contains separate structures for all the complex parts of a PowerPoint presentation Markup Language) contains separate structures for all the complex parts of a PowerPoint presentation Markup Language) contains separate structures for all the complex parts of a PowerPoint presentation Markup Language) contains separate structures for all the complex parts of a PowerPoint presentation Markup Language (and a PowerPoint presentation Markup Language) contains separate structures for all the complex parts of a PowerPoint presentation Markup Language (and a PowerPoint presentation Markup Language) contains separate structures for a PowerPoint presentation Markup Language (and a PowerPoint presentat
 widespread use of PowerPoint, the standardized file formats are considered important for the long-term access to digital documents in library collections and archives, according to the U.S. Library of Congress. [282] PowerPoint 2013 and PowerPoint 2016 provide options to set default saving to ISO/IEC 29500 Strict format, but the initial default
 setting remains Transitional, for compatibility with legacy features incorporating binary data in existing documents. [283] PowerPoint 2013 or PowerPoint 2013 or PowerPoint 2016 will both open and save files in the former binary format (.ppt), for compatibility with older versions of the program (but not versions older than PowerPoint 97). [261] [284] In saving to older
formats, these versions of PowerPoint will check to assure that no features have been introduced into the presentation in many other file formats, including PDF format, MPEG-4 or WMV video, as a sequence of single-picture files (using image entation in many other file formats).
formats including GIF, JPEG, PNG, TIFF, and some older formats), and as a single presentation file in which all slides are replaced with pictures. PowerPoint Karaoke Web-based slideshow ^ "Release
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 named Presenter, was released for the Apple Macintosh in 1987. Mace, Scott (March 2, 1969). "Presentation Package Lets Users Control Look". InfoWorld. Vol. 9, no. 9. p. 5. ISSN 0199-6649. Archived from the original on May 27, 2024. Retrieved August 25, 2017. The $395 program will be shipped to dealers on April 20, Forethought said.
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News. New York Times. Vol. CXXXV, no. 46, 717. July 31, 1987. ISSN 0362-4331. Archived from the original on May 24, 2015. Retrieved August 25, 2017. ... the acquisition of Forethought is the first significant one for Microsoft, which is based in Redmond, Wash. Forethought would remain in Sunnyvale, giving Microsoft a Silicon Valley presence.
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