

4x

4X

4X (abbreviation of Explore, Expand, Exploit, Exterminate) is a subgenre of strategy-based computer and board games, and includes both turn-based and real-time - 4X (abbreviation of Explore, Expand, Exploit, Exterminate) is a subgenre of strategy-based computer and board games, and includes both turn-based and real-time strategy titles. The gameplay generally involves building an empire. Emphasis is placed upon economic and technological development, as well as a range of military and non-military routes to supremacy.

The earliest 4X games borrowed ideas from board games and 1970s text-based computer games. The first 4X computer games were turn-based, but real-time 4X games were also common. Many 4X computer games were published in the mid-1990s, but were later outsold by other types of strategy games. Sid Meier's Civilization is an important example from this formative era, and popularized the level of detail that later became a staple of the genre. In the new millennium, several 4X releases have become critically and commercially successful.

In the board (and card) game domain, 4X is less of a distinct genre, in part because of the practical constraints of components and playing time. The Civilization board game that gave rise to Sid Meier's Civilization, for instance, includes neither exploration nor extermination. Unless extermination is targeted at non-player entities, it tends to be either nearly impossible (because of play balance mechanisms, since player elimination is usually considered an undesirable feature) or certainly unachievable (because victory conditions are triggered before extermination can be completed) in board games.

4X (disambiguation)

4X is a genre of computer strategy games. 4X may also refer to: Sogitec 4X, an audio processor created at IRCAM 4x CD-ROM drive, a speed of CD-ROM drive - 4X is a genre of computer strategy games.

4X may also refer to:

Sogitec 4X, an audio processor created at IRCAM

4x CD-ROM drive, a speed of CD-ROM drive

LG Optimus 4X HD, an Android smartphone

NWFB Route 4X, a bus route in Hong Kong

4X, the production code for the 1977 Doctor Who serial Image of the Fendahl

Quad scull or quadruple scull in rowing

Boiling point

The boiling point of a substance is the temperature at which the vapor pressure of a liquid equals the pressure surrounding the liquid and the liquid changes - The boiling point of a substance is the temperature at which the vapor pressure of a liquid equals the pressure surrounding the liquid and the liquid changes into a vapor.

The boiling point of a liquid varies depending upon the surrounding environmental pressure. A liquid in a partial vacuum, i.e., under a lower pressure, has a lower boiling point than when that liquid is at atmospheric pressure. Because of this, water boils at 100°C (or with scientific precision: 99.97 °C (211.95 °F)) under standard pressure at sea level, but at 93.4 °C (200.1 °F) at 1,905 metres (6,250 ft) altitude. For a given pressure, different liquids will boil at different temperatures.

The normal boiling point (also called the atmospheric boiling point or the atmospheric pressure boiling point) of a liquid is the special case in which the vapor pressure of the liquid equals the defined atmospheric pressure at sea level, one atmosphere. At that temperature, the vapor pressure of the liquid becomes sufficient to overcome atmospheric pressure and allow bubbles of vapor to form inside the bulk of the liquid. The standard boiling point has been defined by IUPAC since 1982 as the temperature at which boiling occurs under a pressure of one bar.

The heat of vaporization is the energy required to transform a given quantity (a mol, kg, pound, etc.) of a substance from a liquid into a gas at a given pressure (often atmospheric pressure).

Liquids may change to a vapor at temperatures below their boiling points through the process of evaporation. Evaporation is a surface phenomenon in which molecules located near the liquid's edge, not contained by enough liquid pressure on that side, escape into the surroundings as vapor. On the other hand, boiling is a process in which molecules anywhere in the liquid escape, resulting in the formation of vapor bubbles within the liquid.

List of 4X video games

4X is a subgenre of strategy video games. The term is a loose acronym of "explore, expand, exploit, and exterminate", coined in 1993 to describe the gameplay - 4X is a subgenre of strategy video games. The term is a loose acronym of "explore, expand, exploit, and exterminate", coined in 1993 to describe the gameplay of Master of Orion. 4X games usually feature complex simulations of scientific research, economics, diplomacy, and social dynamics. Unlike computer wargames, they usually have more ways to win than through warfare, and they model the creation and evolution of an empire from its beginning. Games prior to Master of Orion have been retroactively identified as 4X games. Early precursors include the board games Outreach and Stellar Conquest, both published in the 1970s. Some early strategy video games, such as Andromeda Conquest (1982) and Cosmic Balance II (1983) incorporated what would later become elements of 4X games, but the first 4X video game was Reach for the Stars (1983). Because of the genre's focus on mouse-and-keyboard control schemes, most 4X games are available on personal computers, but examples exist on other platforms. Some 4X games include elements of real-time strategy, but 4X games are typically slow-paced.

Saab 9-4X

The Saab 9-4X is a mid-size luxury crossover SUV that was introduced at the 2010 LA Auto Show. It is based on the all-wheel-drive GM Theta Premium platform - The Saab 9-4X is a mid-size luxury crossover SUV that was introduced at the 2010 LA Auto Show. It is based on the all-wheel-drive GM Theta Premium platform, which also forms the basis for the Cadillac SRX. Production of the 9-4X began in 2011, at General

Motors' Ramos Arizpe Assembly in Mexico, but halted before the end of that year as a result of the bankruptcy of Saab, leaving a total of 814 assembled under Saab Automobile and almost 300 by GM.

Redmi 4X

The Xiaomi Redmi 4X is an Android budget smartphone developed by Xiaomi company as a part of the Redmi series and an improved version of the Redmi 4. It - The Xiaomi Redmi 4X is an Android budget smartphone developed by Xiaomi company as a part of the Redmi series and an improved version of the Redmi 4. It was announced on February 14, 2017. In India, the Redmi 4X was sold as Xiaomi Redmi 4.

Honor 4X

The Huawei Honor 4X (also known as Huawei G Play) is a mid-range Android smartphone manufactured by Huawei as part of the Huawei Honor X series. It was - The Huawei Honor 4X (also known as Huawei G Play) is a mid-range Android smartphone manufactured by Huawei as part of the Huawei Honor X series. It was released in October 2014, and received generally positive reviews.

Oréos 4X

The Oréos 4X is a 49-places electric midibus of the Gepebus' line of products, from Power Vehicle Innovation. Made for the operating of some urban regular - The Oréos 4X is a 49-places electric midibus of the Gepebus' line of products, from Power Vehicle Innovation. Made for the operating of some urban regular lines, or also a private usage (for example airport shuttles), the Oreos 4X is among the first entirely electric autobuses produced in France. This clean vehicle belongs to a new generation, more efficient for the power than the older models, and therefore helps to reduce the environmental impact of the transport in the cities.

Space Empires 4X

Space Empires 4X is a 4X science fiction board wargame developed by Jim Krohn and published by GMT Games in 2011. It has received two expansions: Close - Space Empires 4X is a 4X science fiction board wargame developed by Jim Krohn and published by GMT Games in 2011. It has received two expansions: Close Encounters (2012) and Replicators (2018), with a third one, All Good Things, in development.

Nissan Frontier (North America)

Pro-4X. In Canada, a two-wheel drive model is not offered, with four-wheel drive being the only option sold, regardless of trim level. The Pro-4X trim - The Nissan Frontier is a nameplate used by Nissan in several regions as an alternative to the Navara and NP300 nameplates. In North America, the nameplate was used from the 1998 to 2021 model years, replacing the Hardbody. Since 2021, for the 2022 model year, the Frontier sold in the US and Canada has been a separate model distinct from the globally marketed Navara/Frontier. It is larger and more developed to cater to the needs of the North American market.

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