

Algorithmic Electronic Language Artistic Rhythmic Intelligence

== Academics ==

January-March 2023 in science 4 January - This article lists a number of significant events in science that have occurred in the first quarter of 2023. benefits of periods of intermittent fasting: changes to gene expression or rhythmicity of ~80% of young male mouse genes in at least one tissue

In 1980, he began to use computers to record his music for films, advertising, large companies, theatres, singers and art galleries as well as his song-poems. The first electronic musical devices were developed at the end of the 19th century. During the 1920s and 1930s, some electronic instruments were introduced and the first compositions... Douglass M. Green distinguishes between genre and form in his 1965 book *Form in Tonal Music*. He lists madrigal, motet, canzona, ricercar, and dance as examples of genres from the Renaissance period. To further clarify the meaning of genre, Green writes about "Beethoven's Op. 61" and "Mendelssohn's Op. 64..."

Music genre Genre is to be distinguished from musical form and musical style, although in practice these terms are sometimes used interchangeably. classify music titles for electronic music distribution. Glenn McDonald, the employee of The Echo Nest, music intelligence and data platform, owned by A music genre is a conventional category that identifies some pieces of music as belonging to a shared tradition or set of conventions

Much of the instrumentation in techno is used to emphasize the role of rhythm over other musical aspects. Vocals and melodies are uncommon. The use of sound synthesis in developing distinctive timbres tends to feature more prominently. Typical harmonic practices found in other forms of music are often ignored in favor of repetitive sequences of notes. More generally the creation of techno is heavily dependent on music production technology. Mathematics and art have a long historical relationship. Artists have used mathematics since the 4th century BC when the Greek sculptor Polykleitos wrote his *Canon*, prescribing proportions conjectured to have been based on the ratio $1:\sqrt{2}$ for the ideal male nude. Persistent popular claims have been made for the use of the golden ratio in ancient art and architecture, without reliable evidence. In the Italian Renaissance, Luca Pacioli wrote the influential treatise *De divina proportione* (1509), illustrated with woodcuts by Leonardo da Vinci, on the use of the golden ratio in art. Another Italian painter, Piero della Francesca, developed Euclid's ideas on perspective in treatises such as *De Prospectiva Pingendi*, and in his paintings. The engraver Albrecht Dürer made many references to mathematics in his work *Melencolia I*. In modern times, the graphic artist M. C. Escher made intensive use of tessellation... Events ==

Music Music may be performed using a wide variety of musical instruments, including the human voice. Music is often characterized as a highly versatile medium for expressing human creativity. Music is generally agreed to be a cultural universal that is present in all human societies. Diverse activities are involved in the creation of music, and are often divided into categories of composition, improvisation, and performance. Definitions of music vary widely in substance and approach. roots in artificial intelligence and cognitive science. Cognitive musicology investigates topics such as the parallels between language and music in the Music is the arrangement of sound to create some combination of form, harmony, melody, rhythm, or otherwise expressive content. It can also be composed, sequenced, or otherwise produced to be indirectly played mechanically or electronically, such as via a music box, barrel organ, or digital audio workstation software on a computer. While scholars agree that music is defined by a small number of specific elements, there is no consensus as to what these necessary elements are e1be8ebdcd

In the early 1980s, the term "techno" was used to refer to a type of electronic music in Germany and Japan. In 1988, following the UK release of the compilation Techno... e1be8ebdcd While studying clarinet at the Conservatory of Music in his hometown, René-Louis Baron was quickly drawn to jazz. His first stage appearance was at age 14, with a New Orleans style band. From 1960 to 1974, he sang hit songs with various Lyonnais bands, such as Jean Trial, Pol Malburet, Eddie Léo and Maurice de Thou, mainly in south-eastern France. e1be8ebdcd

Electronic music It includes both music made using electronic and electromechanical means (electroacoustic music). emphasis on repetitive rhythmic structures (often stripped of their harmonic elements) comparable to minimalism, the electronic manipulation of spatiality Electronic music broadly is a group of music genres that employ electronic musical instruments, circuitry-based music technology and software, or general-purpose electronics (such as personal computers) in its creation. Such electromechanical devices include the telharmonium, Hammond organ, electric piano and electric guitar. On the other hand, electromechanical instruments have mechanical parts such as strings or hammers that generate the sound waves, together with electric elements including magnetic pickups, power amplifiers and loudspeakers process the electric signals produced by the pickups and convert them back into sound waves. Pure electronic instruments depend entirely on circuitry-based sound generation, for instance using devices such as an electronic oscillator, theremin, or synthesizer: no acoustic waves need to be previously generated by mechanical means and then converted into electrical signals e1be8ebdcd

== History == e1be8ebdcd == Early career == e1be8ebdcd Music can be divided into genres in numerous ways, sometimes broadly and with polarity, e.g., popular music as opposed to art music or folk music, or, as another example, religious music and secular music. Often, however, classification draws on the proliferation of derivative subgenres, fusion genres, and microgenres that has started to accrue, e.g., screamo, country pop, and mumble rap, respectively. The artistic nature of music means that these classifications are often subjective and controversial, and some may overlap. As genres evolve, novel music is sometimes lumped into existing categories. e1be8ebdcd In February 2014, there were 2.6 million Ukrainian citizens in the territory of Russia, two-thirds of the labour migrants;

however, after Russia annexed Crimea and started the war in Donbas, the number was estimated to have risen to 4.5 million. e1be8ebdcd

René-Louis Baron self-taught eclectic, began his own research into algorithmic composition and thus, musical artificial intelligence. In 1998, he filed the first patent for automatic René-Louis Baron (9 February 1944 – 20 May 2016) is a French inventor, author and songwriter. Later, in 1978, he began in Paris a career as a solo singer. He was 14 years old when he played for the first time on stage as a jazz clarinetist e1be8ebdcd

In 1989, he, a self-taught eclectic, began his own research into algorithmic composition and thus, musical artificial intelligence. In 1998, he filed the first patent for automatic musical composition at the National Industrial Property Institute in Paris. e1be8ebdcd Music often plays a key role in social events and religious ceremonies. The techniques of making music are often transmitted as part of a cultural tradition. Music is played in public and private contexts, highlighted at events such as festivals... e1be8ebdcd

Ukrainians in Russia Most of them identified as ethnic Russians. Dmitry Kramarenko – footballer Ekaterina Kramarenko – artistic gymnast Lala Kramarenko – rhythmic gymnast Oleh Kramarenko (footballer born 1956) – Soviet The Russian census identified that there were more than 5,864,000 Ukrainians and Ukrainian citizens living in Russia in 2015, representing over 4. Estimates for Ukrainians fleeing towards Russia range from 3 to 10 million. 01% of the total population of the Russian Federation and comprising the eighth-largest ethnic group. The number kept increasing throughout the war. In February 2022 there were roughly 3 million Ukrainians who fled to Russia as refugees e1be8ebdcd

To be included in this list, the person must have a Wikipedia article showing they are Russian American or must have references showing they are Russian American and are notable. e1be8ebdcd According to the 2021 Russian census, 884,007 people identified themselves as ethnically Ukrainian. e1be8ebdcd

List of Israelis Shatilov – World bronze (artistic gymnast; floor exercise) Artem Dolgopyat – artistic gymnast (Olympic gold: 2020) Linoy Ashram – rhythmic gymnast (Olympic gold: Israelis (Hebrew: יִשְׂרָאֵלִים Yisra'elim) are the citizens or permanent residents of the State of Israel. The largest ethnic groups in Israel are Jews (75%), followed by Arabs (20%) and other minorities (5%) e1be8ebdcd

Techno Drum machines from the 1980s such as Roland's Roland TR-808 and Roland TR-909 are highly prized, and software emulations of such retro instruments are popular in this style. The central rhythm is typically in common time (4/4) and often characterized by a repetitive four on the floor beat. Artists may use electronic instruments such as drum machines, sequencers, and synthesizers, as well as digital audio workstations. "Scott's importance lies mainly in his realization of the rhythmic possibilities of electronic music, which laid the foundation for all electro-pop from Techno is a genre of electronic music which is generally produced for use in a continuous DJ set, with tempos being in the range from 120 to 150 beats per minute (bpm) e1be8ebdcd

Mathematics and art This reflects Kudielka's description of her artistic development. without losing their rhythmic structure (as characterised by local entropy).

Cucker, Mathematics and art are related in a variety of ways. This article focuses, however, on mathematics in the visual arts. Mathematics has itself been described as an art motivated by beauty. Mathematics can be discerned in arts such as music, dance, painting, architecture, sculpture, and textiles e1be8ebdcd

== Definitions == e1be8ebdcd

List of Russian Americans Galchenyuk (born 1994), hockey player Nastasya Generalova (born 2000), rhythmic gymnast, Russian mother Bill Goldberg (born 1966), professional NFL football This is a list of notable Russian Americans, including both original immigrants who obtained American citizenship and their American descendants e1be8ebdcd

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