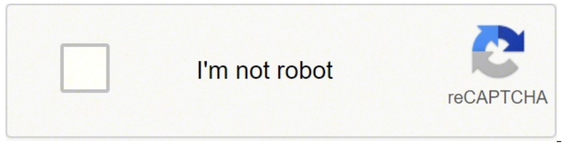
Continually and continuously difference



Verify

Continually and continuously difference

What's the difference between continually and continuously.

QUALITY GLOSSARY Definition: continuous improvement continuous improvement, sometimes called continuous improvement, is the continuous improvement of products, services or processes through incremental improvements and progress. These efforts can seek incremental improvement over time or progressive improvement at one time. The model of improvement of the continuous process between the most widely used tools for the continuous improvement model is a four-phase quality guarantee method â € "The Plan-Do-Check-Act cycle (PDCA): Plan: Identify a 'opportunity and a change plan. Make: implement small-scale change. Check: Use the data to analyze the results of the change and determine if it has made a difference. Act: If the change has been successful, implement it on a larger scale and continuously evaluate the results. If the change didn't work, start the cycle again. Other methods widely used for continuous improvement, such as Six Sigma, lean and total quality management, emphasize employee involvement and teamwork, work to measure and systematize processes, and reduce variation, defects and cycle times. Continuous or continuous improvement The terms of continuous improvement and continuous improvement are often used interchangeably, but the main difference between terms is time: common definitions dictionary continuously and some quality professionals make the following distinction: continuous improvement : A larger term preferred by W. Edwards deming to refer to general improvement processes and including discontinuous improvementsâ € ", many different approaches, covering different areas. Continuous improvement: a subset of continuous improvement, with a more specific focus on linear and incremental improvement within an existing process. Some practitioners also associate continuous improvement closely with statistical process control techniques. Excluded from "Non Uncertain Termini," Quality Progress. Resources for continuous improvement You can also search for items, case studies and publications for continuous improvement of resources. The process improvement teams (Quality Progress) must include the definitions of the methodology, tools and vehicles of change at their disposal, as malaise can be fatal for a quality improvement program. From continuous improvement to continuous innovation (Journal of Quality Management) A close look at the concepts of continuous improvement, continuous innovation, discontinuous innovation, incrementalism, exploitation and exploration. Continuous improvement: Methods and madness (World Quality Conference and Improvement) Employee Involvement, Improvement and evolutionary, and focus on product features are all features of continuous improvement. Moving from Improvement to Innovation on the Fly (Quality Progress) This article proposes a methodology for breaking logjams into process improvement units from On the fly, from an improvement to an innovation mode. Cases of study improvement, (pdf) Artificial intelligence (AI) can improve processes? The authors Sunil Kumar V. Kaushik and Georgios Zameptas believe yes. Enabling Transformation with Continuous ImprovementÃ, (PDF) Sheila Shaffie and her team of Processarc, a customer experience of Customer Experience, explain why it is advantageous to use multiple and complementary methodologies in business transformation and in continuous improvement. Continuous improvement in two companies, (pdf) Todd Schneider shares the teachings taken from the integration of continuous improvement in the operations of two companies. Examples of improvement projects made at its current employer, Serigraph, show how the teams have used Six Sigma to increase yields of more than 20%, saving 40,000 dollars in 10 months, and improve the management of Supplier materials, with a consequent saving of 192,000 dollars at the year. Electric Utility implements a powerful approach for continuous improvement, (PDF) The Southern California Information Technology and Business Integration Business Unit (IT & BI) Edison launched a three-year plan to increase visibility, awareness and focus on continuous improvement methods for better Meet customer needs. Books Permanent Continuous Improvement Kaizen: Continuous and innovative improvement The Quality Toolbox The ASQ Quality Improvement Pocket Guide, Automatic Transmission which can change seamlessly through a continuous range of effective CVT transmission ratios based on pulley automotive transmissions Sequential manual transmissions Non-synchronous preselector Automatic / semi-automatic hydraulic dual-clutched dual-clutch unnecessary VTE automated manual A continuous variation transmission (CVT) is an automatic transmission that can change seamlessly through a continuous range of transmission ratios. This contrasts with other transmissions that provide a limited number of transmission reports to fixed passages. The flexibility of a CVT with an adequate control can allow the engine to operate at a constant revenger while the vehicle moves at different speeds. The CVTs are used in cars, tractors, scooters, snowmobiles and equipment for earth moving. The most common type of CVT uses two pulleys connected by a belt or a chain; However, several other models have also been used. Types This section needs additional quotations for verification. Please help improve this item by adding quotes to reliable sources. The non-source material can be disputed and removed. (July 2020) (find out how and when to remove this message template) CVT to belt pulley for one Chain drive PivriProduci Mediacvt in a Claas Mercator combine. The actual diameter of the pulley is changed by pushing the two conical discs to or far from the other. The most common type of CVT uses a V belt that passes between two pulleys of variable diameter. [1] The pulleys are formed by two cone-shaped methus moving together and separate. The V belt passes among these these half, so the actual diameter of the pulley depends on the distance between the two halves of the pulley. The V-cross section of the belt moves it higher on one pulley and lower on the other; then the gear ratio is adjusted by moving the two turns of one pulley closer and the two turns of the other pulley further away. [2] Since the distance between the pulleys and the length of the belt does not change, both pulleys must be adjusted (one larger, one smaller) simultaneously to maintain the correct amount of tension on the belt. Simple CVTs that combine a centrifugal pulley with a spring pulley often use belt tension to make conformational adjustments in the guided pulley. [2] The V-belt must be very rigid in the axial direction of the pulley to make only short radial movements while sliding in and out of the pulleys. The radial thickness of the belt is a compromise between the maximum gear ratio and torque. Steel-reinforced V-belts are sufficient for low-mass, low-torque applications such as utility vehicles and snowmobiles, but higher-mass and -torque applications such as cars require a chain. Each element of the chain must have conical sides that adapt to the pulley when the belt is running on the outermost radius. As the chain moves through the pulleys the contact area becomes smaller. Since the contact area is proportional to the number of elements, chain belts require many very small elements. A belt design offers about 88% efficiency, [3] which, while lower than that of a manual transmission, can be compensated by allowing the engine to run at its most efficient RPM regardless of the speed of the vehicle. When power is more important than economy, the CVT ratio can be changed to allow the engine to turn to the RPM where it produces the most power. In a CVT chain, several chain elements are arranged along multiple strips of steel layered to one another, each of which is thin enough to be easily folded. When part of the belt is wrapped around a pulley, the sides of the elements form a conical surface. [4][5] In the belt stack, each belt corresponds to a slightly different unit ratio, so the bands slide one another and need adequate lubrication. An additional lubricant film is applied to the pulleys. The film must be dense enough to avoid direct contact between the pulley and the chain, but thin enough not to waste the power as every element of the chain enters it. [quote required] Some CVTs transfer power to the output pulley through the tension in the belt (a puling force), while others use compression of the chain elements (where the pulley "Push" entrance the belt, which in turn pushes the output pulley). [6] [7] [8] positively infinitely variable (piv) The chain operators are distinct as the chain interlocks positively with conical pulleys, this is achieved having a stack of many small rectangular plates in each chain ring that You can slide slip From side to side, these plates can be quite thin, around a thickness of millimeters. Conical pulleys have radial grooves, a groove on one side of the pulley is welcomed with a crest on the other side and therefore the sliding plates are pushed back and forth to comply with the model, effectively forming the teeth of the correct step when pressed among the Pulleys. Due to the interlocking surfaces, this type of drive can transmit a significant pair and so it was widely used in industrial applications, however, the maximum speed is significantly lower than other CVTs based on the pulley. The sliding plates will wear slowly over the years of use, so the plates are made longer than it is necessary, allowing greater wear before the chain should be renewed or replaced. Constant lubrication is required and therefore the housing is usually partially filled with oil. [9] [10] Toroidal CVT used in the Nissan Cedric (Y34) Toroidal CVT, as used on the Nissan Cedric (Y34), [11] [12] consists of a series of disks and rollers. The discs can be depicted as two almost conical parts arranged point point, with the sides crushed so that the two parts could enter the central hole of a bull. A disc is entry, and the other is the release. The disks are rollers, which vary the relationship and the transfer power from side to side. When the rollers are perpendicular to the disk axis, the actual diameter is the same for input discs and output discs, with a transmission ratio 1: 1. For other reports, the rollers are rotated along the surfaces of the disks so that they are in contact with the points in points with different diameters, resulting in a ratio of units of something other than 1: 1. [13] An advantage of a toroidal CVT is the ability to endure higher torque loads of a CVT based on the pulley. [14] In some toroidal systems, the thrust direction can be inverted inside the CVT, removing the need for an external device to provide a reverse gear. A CVT ratchet uses a series of clutches or one-way ratchets that rectify and add only the "Forward" movement. The on-off features of a typical ratchet means that many of these designs are not continuous in operation (ie technically not a CVT), but in practice there are many similarities in operation, and a CVT ratchet is able to produce one Zero output speed from any data input speed (as for an infinitely variable transmission). The transmission ratio is adjusted by changing the geometry of the connection inside the oscillating elements so that the maximum additional connection speed is adjusted, even when the average connection speed remains constant. There CVTs can transfer the substantial torque because their static friction actually increases relative to the transmission speed, so the card is impossible in properly designed systems. Efficiency is generally high because most dynamic friction is caused by very slight changes in friction speed. The inconvenience of ratcheting CVTs is the vibration caused bythe next transition of the speed required for the acceleration of the element, which shall replace the previously functioning and decelerated power transmission element. The design principle dates back to before the 1930s, with the original design to convert rotary motion to oscillating motion and again to rotary motion using roller clutches.[16] This design is still in production in 2017, for use with low-speed electric motors.[17] A prototyped example as a bike transmission It was patented in 1994.[18] The operating principle for a ratchet CVT design, which uses a Scottish yoke mechanism to convert rotary motion to oscillating motion and non-circular gears to achieve a uniform input-output ratio, was patented in 2014.[19] Hydrostatic/hydrostatic CVT used in a motorcycle Honda DN-01 Hydrostatic CVTs use a variable displacement pump and a hydraulic motor, so the transmission converts hydraulic pressure into rotation of the output shaft. The name, while misusing the term hydrostatic, distinguishes these transmissions, which use positive displacement pumps, from fluid couplings such as torque converters that use rotodynamic pumps to transmit torque. The advantages of hydrostatic CVTs are: their scalability to any torque capacity achievable by a hydraulic motor. the transmission of power to the wheel hub with flexible hoses, which allow a more flexible suspension system and simplify the design of articulated four-wheel drive vehicles. the smooth transition at all speeds Forward and reverse gear, controllable with a single lever. maximum torque speed, allowing precise movement of the vehicle. possibility of speed control for other hydraulic components, such as hydraulic cylinders. Compared to gearbox drives, hydrostatic CVTs are generally more expensive, but on machines that already use hydraulic drives, the complexity and additional costs are less significant. As with most hydraulically operated transmissions, the transmission of high torque for extended durations requires the cooling of the hydraulic fluid. Hydrostatic CVT uses include combine harvesters, combine harvesters, small wheel/sledge/steer loaders, tracked tractors and road rollers. An agricultural example, produced by AGCO, divides the power between hydrostatic and mechanical transfer to the output shaft by means of a planetary gear in the forward direction (in contrast, the power transfer is fully hydrostatic); this reduces the load on the hydrostatic part of the transmission when forward by transmitting a portion of the power. significant torque through more efficient fixed gears.[20] A variant called Integrated Hydrostatic (IHT) uses a single housing for both hydraulic elements and gearboxes and is used in some mini-tractors and mowers mounted. The 2008-2010 Honda DN-01 motorcycle cruiser used a hydrostatic CVT in the form of a variable-displacement variable-displacement Piston pump with a variable angle swash plate. The Japanese type 10 tank uses hydraulic mechanical transmission. [Required clarification] Electric See also: Transmission (mechanical) ÂşÂ Komatsu 930e electric truck with electric drive CVT, used in series hybrid electric vehicles (SHEVS) or four main elements. It is a power source, a generator, an electric motor and a battery pack. The basic principle of the electric CVT is analogous to the hydrostatic CVT as the power source drives an electric generator, while a motor is connected to the output shaft - the generator and the motor are connected by an electric circuit. Unlike hydrostatic CVT, adding a battery pack can store excess power that will normally be wasted during operation of the vehicle. It could be easily argued that a generator that will power a motor through a type of electronic speed control would be a continuously variable transmission. Electric transmissions have the advantage of great flexibility in the layout, since the generator can be positioned at any distance or orientation than the engine. In addition, any excess power generated can be stored in batteries and designed when high loads are experienced. However, they are heavy and inefficient; The efficiency of a generator or a typical engine is only 75% to 80% and the command two results in an efficiency of only 56% to 64%. [Required quote] This limits their use in situations where you cannot use other types of transmissions. This standard layout is the standard for heavy vehicles. The diesel locomotive and some ships (and more recently, hybrid electric cars) use such drivetrains. Electric CVS serve well in situations where the power source and loading positions prohibit a direct mechanical unit and where accurate high power transmission is required. Diagram of an EVT As part of a vehicle transmission in addition, the electric variable transmission (EVT), not to be confused with electric variable transmissions in some hybrid machines, is a "total electromagnetic variable transmission that provides two additional electrical ports for hybrid functionality ", developed by electric variable transmission BV. It consists of two concentric rotors housed by a conventional stator. This type of CVT is very rare, with an example tested at Gand University. The advantages of this EVT include its multitasking capacity (which serves as a hybrid engine or cvt), increased projected efficiency and low maintenance design without lubrication, sealing or valves, which only require maintenance of slip rings. The lack of a mechanical connection between the motor and the wheels isalso protected against overload and vibration damping. [21] Evans Cone Variable Speed Continent Variable Speed A CVT cone varies the transmission ratio by moving a wheel or belt along the axis of one or more tapered rollers. The simplest type of CVT cone, the single cone version, uses a wheel that moves along the of the cone, creating a variation between the narrow and wide diameters of the cone. In 1903, William Evans and Paul Knauf settled a patent for a continuous variation transmission that used two parallel conical rollers pointed in opposite directions and connected by straps that could be slid along the cones to vary the transmission ratio. The years â € ™ 20, it is more simple, the two rollers are arranged with a small distance of constant width between them, and the position of a leather rope passing between the rollers determines the transmission ratio. [26] Another type of CVT cone is the «WarkoÂ», which uses a series of smaller entry cones arranged around a larger output cone. The power is transmitted via friction between the cones and the number of input cones is determined by the threshold of the transmission torque. The cross-section of the output cone is slightly convex, with a lower curvature than that of slightly concave input cones. The transmission ratio is varied by tilting the axes of the input cones so that they come into contact with the output cone at a different point along its axis. [27] Epicyclic in an epicyclic CVT (also called Planetarium CVT), the transmission ratio is moved by tilting the spherical roller axes to provide different contact rays, which in turn guide the input and output discs. This is in principle similar to the toroidal CVT. Production versions include Toyota E-CVT (which debuted on the 1997 Toyota Prius) [28] and Nuvinci CVT [29]. Other types of clutch disc transmissions were used in different tractors and small locomotives built at the beginning of the 20th century. Use today in the snowpers, these transmissions consist of an output disc that is moved to the surface of the entrance disk on which it rolls. When the output disc is adjusted to a position equal to its radius, the resulting transmission ratio is 1: 1. The drive ratio can be set to infinity (ie a stationary output disc) by moving the output disk to the center of the input disk. The output direction can also be inverted by moving the output disc beyond the center of the input disc. The transmission on the first locomotives of Plymouth worked in this way, while on tractors that used friction disks, the retromark range was typically limited. [30] Still under development, the magnetic CVT transmits the torque using a non-contact magnetic coupling. [31] The project uses two permanent magnet rings with a steel auction ring between them to create a planetary gear using the magnets. [32] It is said that it produces a reduction from 3 to 5% of fuel consumption than a mechanical system. [32] Infinitely variable transmissions Scheme of an IVT Some CVTs can also As an infinitely variable transmission (IVT) which offers an infinite range of low speeds (eg moving a vehicle forward at an infinitely low speed). Some IVT prevent backdriving (where the exit tree can rotate freely, freely, A neutral automotive transmission) due to the supply of high-efficiency torque. Other IVSs, such as ratchet types, allow the output shaft to rotate freely. Types of CVTs that are able to function as IVS include epicyclic, clutch disc and ratchet CVS. In an IVT epicyclic, infinitely low transmission ratios are produced when the rotation speed of the output shaft is equal to the difference between two other speeds within the CVT. In this situation, the CVT functions as a regulator of the rotation speed of any of the three rotators of the planetary gear system. Since two of the rotators are the input and output of the controller, the CVT can be configured to cause an output speed of zero for any given input speed. The CVT input speed is always the same as the engine, even when the output speed is zero. Origins In 1879, Milton Reeves invented a CVT (hence called a variable-speed transmission) for use in the sawmill. In 1879, Reeves began to find this transmission to his cars, [33] and Reeves' CVT was also used by several other manufacturers. The 1911 Zenith Gradua 6HP motorcycle used a pulley-based CVT degree [34] [35] A year later, the Rudge-Whitworth Multigear was released with a similar but improved CVT. Other older machines to use a CVT were the 1913-1923 David Small three-wheeled bicycle cars built in Spain, [36] the 1923 Clyno built in the United Kingdom, and the 1926 Constantinesco Motor Show built in the United Kingdom applications Cars See also: List of cars With continuously variable transmissions 2000- Present Toyota K CVT The first mass-produced car to use a CVT was the 1958 DAF 600 from the Netherlands. [37] Its varietal transmission was used in several vehicles built by DAF and Volvo until the 1980s. [38] The 1987 first-generation FITA FORD FORD FORD became the first car to be equipped with CVTS with a steel belt (as opposed to the less robust rubber DAF design). The multitronic transmission was developed by Ford, Van Doorne and Fiat, with work on the transmission starting in 1976. [39] Also in 1987, the ECVT was introduced as an optional transmission on the Subaru Justy, [40] [41] production was limited to 500 units per month due to the limited production of Van Doorne. In June of that year, supplies increased to 3,000 per month, leading Subaru to make CVT available in the Rex Kei car. [42] Subaru has also supplied its CVTs to other manufacturers (an example being the 1992 Nissan Micra). [39] The 1996 sixth generation Honda Civic introduced a pulley-based multimatic CVT that included a torque converter to prevent inactive creep. [43] Use of CVTS Spread over the years following the models including the 1998 Nissan Cube, 1999 Rover 25 and 1999 Audi A6. [44] Marketing terms for CVT include "Lineartronic" (Subaru), "Xtronic" (Jatco, Nissan, Renault), Invecs-III (Mitsubishi), Multitronic (Volkswagen, Audi), "Autronicic" (Autotronic "(Mercedes -Benz) and "IVT" (Hyundai, Kia). 1999 Nissan Cedric (Y34) used a toroidal toroidal the designs based on the pulley used by other manufacturers — marketed as Nissan Extroid, which incorporated a torque converter. Nissan then passed from toroidale to CVT based on the pulley in 2003. [45] The version of the CVT used with the VQ35DE engine in the fourth generation Nissan Altima is considered able to transmit higher torque loads than other CVT belt. [46] The Toyota Corolla 2019 (E210) is available with a CVT assisted by a physical "mantellation" next to the CVT pulley. At speeds of up to 40 km/h (25 mph), the launch change is used to increase acceleration and reduce stress on CVT. Over this speed, the transmission passes to CVT. [47] Several hybrid electric vehicles, such as Toyota Prius, Nissan Altima and Ford Escape Hybrid, use electric variable transmissions (EVTs) to control the power contribution from the electric motor and the internal combustion engine. These differ from standard CVT as they are powered by an electric motor in addition to the engine. Racing cars In the United States, open-wheel racing cars from Formula 500 have been using CVTs since the early 1970s. The CVT was banned by Formula 1 in 1994 (together with several other electronic systems and driving aid) due to concerns about increasing research and development costs and maintaining a specific level of driver engagement with vehicles. [48] Small vehicles Many small vehicles, such as snowmobiles, golf carts and scooters, use CVT, typically of the pulley variety. CVTs in these vehicles often use a rubber belt with a fixed non-stretching circumference produced using various highly resistant and flexible materials, due to mechanical simplicity and ease of use that exceed their comparative inefficiency. Some scooter engines include a centrifugal clutch, to assist when idling or manually reverse the scooter. [49] The 1974 Rokon RT340 TCR Automatic off-road motorcycle has been equipped with a CVT motorcycle. The first ATV with CVT was the Polaris Trail Boss in 1985. [citation required] Combined harvesters used variable belt antennas since the 1950s. Many small tractors and self-propelled mowers for home and garden use the CVTs simple rubber belt. Hydrostatic CVTs are more common on larger units.[more] In cutting or collecting operations, the CVT allows you to adjust the speed forward of the equipment regardless of the speed of the engine; this allows the operator to slow or accelerate, if necessary, to adapt to changes in the thickness of the crop. Hydrostatic CVT are used in small and medium-sized agricultural and terrestrial equipment. Since the engines of these machines are typically managed at constant power (to provide hydraulic powerelectrical machines), mechanical efficiency losses are offset by increased operational efficiency. For example, in ground handling equipment, forward shuttle times are reduced. The speed and output of the CVT CVT is usedCheck the travel speed and sometimes steering of the equipment. In the latter case, the speed differential required to drive the equipment can be provided by independent CVTs, allowing the steering to be achieved without several disadvantages associated with other steer skid methods (such as braking losses or loss of traction effort). The Wheel Horse 875 and 1075 garden tractors of 1965 were the first vehicles to be equipped with a hydrostatic CVT. The design used a variable sliding plate pump and a combined fixed-gear hydraulic motor in a single compact package. Reverse ratios were achieved by reversing the pump flow through the over-centre of the plate. Acceleration was limited and smoothed by the use of pressure accumulators and relief valves located between the pump and the engine, to avoid sudden speed changes possible with direct hydraulic coupling. Later versions included fixed scrubbing plate motors and ball pumps. The 1996 Fendt Vario 926 was the first heavy tractor to be equipped with an IVT transmission. It's not the same thing as an idostatic CVT. Over 100,000 tractors have been produced with this transmission. [50] CVT power generation systems have been used in aircraft power generation systems since the 1950s. CVTs with handwheels are used as a speed regulator between an engine (e.g. a wind turbine) and the electric generator. When the engine produces enough power, the generator is connected directly to the CVT which is used to adjust the engine speed. When the power output is too low, the generator is disconnected and the energy is stored in the flywheel. It is only when the speed of the flywheel is sufficient that kinetic energy is converted into electricity, intermittently, at the speed required by the generator. Other Uses Some milling machines contain a simple CVT belt system to control spindle speed, including the Jet J-A5816 and J-A5818.[51] In this system, the actual diameter of only the output shaft pulleys is continuously variable. The input pulley connected to the motor is usually fixed in diameter (or sometimes with discrete steps to allow a selection of speed ranges). The operator adjusts the speed of the drill using a handwheel that controls the width of the gap between the pulley halves. In the transmission of the belt a tensioner pulley is implemented to lift or release the slack in the belt as the speed is altered. Winches and hoists are also an application of CVT, especially for those who adapt the transmission ratio to the strong torque. Bicycles with CVT gears have had limited commercial success, with one example being a range of gears equivalent to an eight-speed gearbox. [52] The short circuit of the bicycle helped during uphill cycling, but the CVT was noted to significantly increase the weight of the bicycle. [53] See also constant constantDrive Drive Drive Friction List of cars with continuously variable transmissions Power range References ^ Fischetti, Mark (January 2006). “No gears”. Scientific American. 294 (1): 923. Bibcode:2006SciAm.294a..92F. doi:10.1038/scientificaamerican0106-92. PMID 16 468 439. ^ a b “How CVT works”. howsuffworks.com. 27 April 2005. Retrieved 26 August 2020. ^ “CVT Efficiency” (PDF). zeroshift.com. Archived from the original (PDF) on July 14, 2014. Retrieved 22 April 2014. ^ Â”XTRONIC CVT |Nissan|Technology.Â” Global website of Nissan Motor Corporation. Nissan Motor Co. Ltd. URL published 20 September 2021. ^ “Pushbelt”. Solutions Bosch Mobility. Robert Bosch GmbH. Retrieved 20 September 2021. ^ AmbrÃ3sio, Jorge A. C. (5 July 2005). Advances in multibody computational systems. Springer, p. 271. ISBN 9 781 402 033 926. Retrieved 8 July 2020. ^ Pfeiffer, Friedrich (2008). Mechanical dynamics of the system. Jumper. P. 320. ISBN 978-3-540-79 436-3. Retrieved 8 July 2020. ^ “CVT Transaxle Steel Push Belt Construction”. Weber State University. Retrieved July 8, 2020 “from YouTube.” ^ Â”PIV Vertical Drives Â”Gayatri Gear.Â” Retrieved September 15, 2020. ^ “Positively Infinitely Variable (PIV) Chain”. usarollerchain.com. Retrieved September 15, 2020. ^ “Nissanâs Weird Double CVT Is Perfect for High-Torque Applications”. Road & Track. 5 December 2018. Retrieved 16 July 2020. ^ “Tech & Trends: Nissan Producing Amazing New CVT”. wardsauto.com. December 1, 1999. Retrieved 16 July 2020. ^ Â”How CVTs Work â Toroidal CVTsÂ”. howstuffworks.com. April 27, 2005. Retrieved 16 July 2020. ^ Â”Extroid CVTs â For Application to Rear-Wheel-Drive Cars Powered by Large EngineÂ” (PDF). nissan-global.com. Retrieved July 16, 2020. ^ Â”Developments in toroidal traction to infinitely and continuously variable traction transmissions (CTI Innovative Automotive Transmissions Automotive Conference and Exhibition) Â” (PDF). Torotrak. August 2007. Archived from the original (PDF) on September 17, 2012. ^ Franklin, D. (1930). Ingenious mechanisms for designers and inventors ... (1st edition). Industrial Press. pp. 343 345. ISBN 0-8311-1084-8. ^ “drives”. zero-max.com. Archived from the original on March 1, 2009. Retrieved 19 September 2009. ^ US Patent US5 516 132A: Variable Speed Transmission, July 22, 1994. Retrieved 17 July 2020. ^ Patent US9 970 520B2: Continuous variable transmission with uniform input-output ratio and friction-independent. Retrieved 17 July 2020. ^ “AGCOâs Continuously Variable Transmission (CVT) Explained.Â” YouTube. Retrieved 26 October 2012. ^ “Electrical Variable Transmission”. University of Ghent. Retrieved 20 September 2021. ^ Â”CVT Explained.Â” URL accessed August 27, 2011 Â”Â” via YouTube. ^ “CVT transmission”. U.S. Patent 759 872, granted May 17, 1904. ^ William and Paul Knauf, Variable Speed Transmission Device, U.S. Patent 759 872, granted May 17, 1904. ^ William Evans and Paul Knauf, Power Transmission Device, U.S. Patent 759 873, granted May 17, 1904. ^ Evans Â”Evans Cone Co. Advertising”. Macchinari Magazine. January 19, 1922. Retrieved on 18 July 2020. ^”Warko – Principle of Operation”. Warko. Retrieved September 20, 2021. ^”Pro and Cons of a TOYOTA CVT Broadcast”. Galetoyota.com. April 27, 2016. Retrieved on 18 July 2020. ^ “Continuously variable planetary transmission.” Oemoffhighway.com. February 21, 2011. Retrieved on 18 July 2020. ^ Engineers, automotive company (1918). “Tractor friction transmissions.” Journal of the Society of Automotive Engineers: 440. ^ “Magnets offer advantages as an alternative to mechanical gears.” Engineerlive.com. February 7, 2012. Retrieved on 7 February 2012. ^ AB “Medium variable magnetic transmission.” Magneticsmag.com. November 4, 2013. Retrieved on 16 July 2020. ^ “A story of two brothers.” Geniengineringmagazine.com. Retrieved on 19 July 2020. ^ “Owned by Pete Gagan, 1914 Zenith-Jap 8HP ’Gradua’ Twin Frame No. 4499 No. 46 612”. Bonhams.com. Retrieved July 19, 2020. ^”How it works: CVT”. Classicsworld.co.uk. January 4, 2019. Retrieved on 19 July 2020. ^”David History”. AutoPasion18.com. ^” When did Cars start using Auto CVT? Autotrader.com. Recovery July 10, 2020. ^ Hilton Holloway, Martin Buckley (2002). Cars of the 20th century. Carlton. ISBN 978-1-84 222-835-7. ^ AB Poulton, ML (1997). Fuel-efficient car technology. Publications of computational mechanics. P.e. 69. ISBN 978-1-85 312-447-1. ^ “Fuji Heavy Industries to Increase Production of ECVT Systems.” Nihon Keizai Shimbun. Tokyo: 12. 13 June 1987. ^ “What is a Continuous Variable Transmission (CVT)?.” Edmunds.com. February 13, 2001. Retrieved on 10 July 2020. ^ “Fuji Heavy Industries to Increase Production of ECVT Systems.” Nihon Keizai Shimbun: 12. 13 June 1987. ^ “Honda Worldwide – Technology Picture Book – CVT.” Honda.com. Retrieved October 19, 2015. ^ “Audi multitronic transmission.” Audiworld.com. Retrieved July 10, 2020. ^ “Nissan Technology L Development Activity Overview: Xtronic CVT “. Nissan-Global.com. Archived from the original on September 5, 2012. Retrieved on 19 September 2009. ^ “CVT.” Jatco. Archived from the original on 4 December 2010. ^ 2019 Toyota Corolla Hatch: Top 5 things you need to know!. 15 April 2018. Retrieved on December 29, 2019 â¨¬ “Via Youtube. 2019 Toyota Corolla Hatch: Top 5 things you need to know! ^ Keith Collantine (3 May 2007). “Banned! Continuously variable transmission.” F1fanatic.co.uk. Retrieved on June 17, 2011. ^ “Using clutch with cvt”. scoovnfast.com. Retrieved January 6, 2012. ^ “History of Fendt.” Fendt.com. Recovery October 26, 2012. ^ “Instructions for use and manual parts MANUAL 15-POLLICE VELOCE VELOCE MODELS PRESS: J-A3816, J-A5816, J-A5818” (PDF). jettools.com. ^ “Here is the proof that commuter bikes should not suck.” Wired. Retrieved on 8 July 2020. ^ “Like a With Infiniti gears he changed the way I hang ". gizmodo.com.au. 5 February 2017. Recovered on 12 July 2020. Recovered by" Continununaly_variable_transmission & Oldid = 1053331883 "" Title = continuously_variable_transmission & Oldid = 1053331883 ""

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