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Watch Movements: Difference Between Quartz, Mechanical \u0026 Automatic ~~Watch Movements Explained - Mechanical vs. Automatic vs. Quartz Watches~~ **AMT vs CVT vs DCT vs AT | Which automatic to choose?** *Automatic vs Manual Transmission - Can You Beat a DCT Gearbox in a Manual? HARDBACK VS PAPERBACK BOOKS* **What's Faster an Automatic or Manual Hellcat? Watch This Drag Race to Find Out** ~~The Hobbit - Book vs. Movie(s)~~ ~~Ultimate transmission comparison: Manual Vs Auto Vs Dual Clutch Vs CVT | Auto Expert John Cadogan~~ *5 Reasons You Shouldn't Buy An Automatic*

Transmission Car 5 Reasons You Shouldn't Buy A Manual Transmission Car *The Witcher | Series VS Books: 7 Key Differences | 🔴 OSSA* ~~Top 7 Changes For The Hobbit | Book vs Movie~~ ~~Manual or Automatic? | Learn to drive: Car Knowledge~~ *Quartz Vs Automatic Watches! Which Watch Type To Buy? Mechanical Or Battery Powered The Godfather - Book vs. Movie* **2016 Cadillac ATS-V - Manual or Automatic?** *Microsoft Surface Book Vs Surface Pro 4 Comparison/Review Automatic vs Manual Transmission*

Book Marketing vs Book Sales - Why the Difference Matters to Authors**AK-47 VS AR-15 VS PHONE BOOKS - 7.62 VS 5.56 Automatic Vs**

Automatic vs. Automated. Automated. Automation can be defined as the technology by which a process or procedure is performed without human assistance. In other words, Automation or automatic control, is the use of various control systems for operating equipment such as machinery, processes in factories, boilers and heat treating ovens, switching on telephone networks, steering and stabilization of ships, aircraft and other applications and vehicles with minimal or reduced human intervention.

Automatic vs. Automated - What's the difference? | Ask ...

Automatic vs Machine. A common misconception is that automatic translation is the same thing as machine translation. According to the Globalization and Localization Authority (GALA), machine translation, by definition, refers to “fully automated software that can translate source content into target languages”.

Web Localization for Marketers: Automatic vs Machine vs People

As adjectives the difference between automatic and automated is that automatic is capable of operating without external control or intervention while automated is made automatic. As a noun automatic is a car with automatic transmission.

Automatic vs Automated - What's the difference? | WikiDiff

Manual vs. Automatic Transmission: Which Is Better Off-Road? In most cases, an automatic car will be quicker than a manual transmission car equivalent, which takes time to shift gears. And the fact is, an automatic and especially an automated manual can...

Automatic Vs Manual Transmission Racing

Continuous Variable Transmission (CVT) system: Continuous Variable Transmission (CVT) is a kind of automatic transmission as there is no clutch pedal. However, the mechanism of both the CVT and...

CVT Vs Automatic Transmission: Which Is Better? Explained

Without getting too technical, the main difference is that automatic cars don’t have a clutch pedal. You also have a simplified gearbox. Manual transmission cars have five or six gears, plus reverse, giving you full control over how the car performs. Automatic cars tend to have four modes:

Manual vs automatic cars: Which is better? -

Confused.com

Automatic definition is - largely or wholly involuntary; especially : reflex. How to use automatic in a sentence. Synonym Discussion of automatic.

Automatic | Definition of Automatic by Merriam-Webster

The Camaro's automatic transmission, on the other hand, has eight speeds and is estimated to get 25 mpg in mixed driving — an 8.7% improvement. Myth 2. Manual cars cost less than the same model ...

Manual vs. Automatic Pros and Cons: Which Is Better? | Edmunds

How Manual vs. Automatic Transmissions Work When you're driving a car with a manual transmission, such as a sports car or vintage vehicle, you use the stick shift on the car's console or steering column to maneuver between transmission gears, while simultaneously using your left foot to depress the clutch pedal.

CVT vs Automatic Transmission - Which is Better?

Automatic campaigns are quick and easy to start. It’s easier to choose successful keywords. Automatic campaigns provide an in-depth look at how Amazon users can search for your product. You’re able to review user demand and highlight the most important keyword requests. Cons. Automatic campaigns give you less control than manual campaigns

Automatic vs. manual targeting in Amazon Sponsored ads ...

In this manual vs automatic review, we will look at the difference between the two types of transmission. We will look at the pros and cons of both and conclude with what we feel is the best choice. But firstly, let’s answer that all important question…

Manual vs. Automatic Car Transmission: Which is Best?

Manual vs. automatic transmission By Ronan Glon November 17, 2020 Driving “stick” is a popular term for those who know how to drive a car with a manual transmission.

Manual vs. Automatic Transmission | Digital Trends

Seiko Automatic vs. Kinetic vs. Solar watches Here’s something for those who would like to know more on the general typology of watches. This article’s aim is to explain the differences between so called automatic, kinetic and solar watches in, hopefully, simple way. We’ll cover some of the frequently asked questions.

Seiko Automatic vs Kinetic vs Solar watches | Seiko ...

With an auto, you have to call a tow truck. It's really as simple as that. A manual transmission will (almost) always get you home. On that same note, if your battery dies for any reason an automatic transmission will need a jump start to get running, whereas a manual tranny just needs a push start.

Automatic vs. Manual Transmission Jeep Wranglers

Manual Wind Watches VS Automatic Watches. All mechanical watches are powered by a tightly wound spring inside the watch. This spring is known as the mainspring. All mechanical watches require winding in order for them to work. The winding is typically done using the crown (a knob usually on the side of a watch case) or a winding key is some ...

Manual Wind Watches VS Automatic Watches | Which is Best?

An automatic firearm is a firearm capable of automatically cycling the shooting process, without needing any more manual operation from the user than simply keeping a trigger depressed. The action of an automatic firearm is capable of harvesting the excess energy released from a previous discharge to feed a new ammunition round into the chamber, and then ignite the propellant and discharge the ...

Automatic firearm - Wikipedia

CVT vs. a Conventional Automatic Transmission The purpose of any transmission is connect the engine to the wheels and help the engine stay in its optimal rpm range as it powers the car. Lower gears are good for low speeds and steep hills; higher gears are good for higher speeds.

Pros and Cons of a CVT (Continuously Variable ... - CARFAX

Which is better: Manual or Automatic transmission? This debate has been present for the last seven decades. Manual and automatic transmissions are completel...

This book presents social, cognitive and neuroscientific approaches to the study of self-control, connecting recent work in cognitive and social psychology with recent advances in cognitive and social neuroscience. In bringing together multiple perspectives on self-control dilemmas from internationally renowned researchers in various allied disciplines, this is the first single-reference volume to illustrate the richness, depth, and breadth of the research in the new field of self control.

This book details Solar-Tracking, Automatic Sun-Tracking-Systems and Solar-Trackers. Book and literature review is ideal for sun and moon tracking in solar applications for sun-rich countries such as the USA, Spain, Portugal, Mediterranean, Italy, Greece, Mexico, Portugal, China, India, Brazil, Chili, Argentina, South America, UAE, Saudi Arabia, Middle East, Iran, Iraq, etc. A solar tracker is a device that orients a payload toward the sun. Like a satellite tracker or moon tracker, it tracks the celestial object in the sky on its orbital path of apparent movement. A programmable computer based solar tracking device includes principles of solar tracking, solar tracking systems, as well as microcontroller, microprocessor and/or PC based solar tracking control to orientate solar reflectors, solar lenses, photovoltaic panels or other optical configurations towards the sun. Motorized space frames and kinematic systems ensure motion dynamics and employ drive technology and gearing principles to steer optical configurations such as mangin, parabolic, conic, or cassegrain solar energy collectors to face the sun and follow the sun movement contour continuously. In harnessing power from the sun through a solar tracker or practical solar tracking system, renewable energy control automation systems require automatic solar tracking software and solar position algorithms to accomplish dynamic motion control with control automation architecture, circuit boards and hardware. On-axis sun tracking system such as the altitude-azimuth dual axis or multi-axis solar tracker systems use a sun tracking algorithm or ray tracing sensors or software to ensure the sun's passage through the sky is traced with high precision in automated solar tracker applications, right through summer solstice, solar equinox and winter solstice. From sun tracing software perspective, the sonnet Tracing The Sun has a literal meaning. Within the context of sun track and trace, this book explains that the sun's daily path across the sky is directed by relatively simple principles, and if grasped/understood, then it is relatively easy to trace the sun with sun following software. Sun position computer software for tracing the sun are available as open source code, sources that is listed in this book. Ironically there was even a system called sun chaser, said to have been a solar positioner system known for chasing the sun throughout the day. Using solar equations in an electronic circuit for solar tracking is quite simple, even if you are a novice, but mathematical solar equations are over complicated by academic experts and professors in text-books, journal articles and internet websites. In terms of solar hobbies, scholars, students and Hobbyist's looking at solar tracking electronics or PC programs for solar tracking are usually overcome by the sheer volume of scientific material and internet resources, which leaves many developers in frustration when search for simple experimental solar tracking source-code for their on-axis sun-tracking systems. This booklet will simplify the search for the mystical sun tracking formulas for your sun tracker innovation and help you develop your own autonomous solar tracking controller. By directing the solar collector directly into the sun, a solar harvesting means or device can harness sunlight or thermal heat. This is achieved with the help of sun angle formulas, solar angle formulas or solar tracking procedures for the calculation of sun's position in the sky. Automatic sun tracking system software includes algorithms for solar altitude azimuth angle calculations required in following the sun across the sky. In using the longitude, latitude GPS coordinates of the solar tracker location, these sun tracking software tools supports precision solar tracking by determining the solar altitude-azimuth coordinates for the sun trajectory in altitude-azimuth tracking at the tracker location, using certain sun angle formulas in sun vector calculations. Instead of follow the sun software, a sun tracking sensor such as a sun sensor or webcam or video camera with vision based sun following image processing software can also be used to determine the position of the sun optically. Such optical feedback devices are often used in solar panel tracking systems and dish tracking systems. Dynamic sun tracing is also used in solar surveying, DNI analyser and sun surveying systems that build solar infographics maps with solar radiance, irradiance and DNI models for GIS (geographical information system). In this way geospatial methods on solar/environment interaction makes use use of geospatial technologies (GIS, Remote Sensing, and Cartography).Climatic data and weather station or weather center data, as well as queries from sky servers and solar resource database systems (i.e. on DB2, Sybase, Oracle, SQL, MySQL) may also be associated with solar GIS maps. In such solar resource modelling systems, a pyranometer or solarimeter is normally used in addition to measure direct and indirect, scattered, dispersed, reflective radiation for a particular geographical location. Sunlight analysis is important in flash photography where photographic lighting are important for photographers. GIS systems are used by architects who add sun shadow applets to study architectural shading or sun shadow analysis, solar flux calculations, optical modelling or to perform weather modelling. Such systems often employ a computer operated telescope type mechanism with ray tracing program software as a solar navigator or sun tracer that determines the solar position and intensity. The purpose of this booklet is to assist developers to track and trace suitable source-code and solar tracking algorithms for their application, whether a hobbyist, scientist, technician or engineer. Many open-source sun following and tracking algorithms and source-code for solar tracking programs and modules are freely available to download on the internet today. Certain proprietary solar tracker kits and solar tracking controllers include a software development kit SDK for its application programming interface API attributes (Pebble). Widget libraries, widget toolkits, GUI toolkit and UX libraries with graphical control elements are also available to construct the graphical user interface (GUI) for your solar tracking or solar power monitoring program. The solar library used by solar position calculators, solar simulation software and solar contour calculators include machine program code for the solar hardware controller which are software programmed into Micro-controllers, Programmable Logic Controllers PLC, programmable gate arrays, Arduino processor or PIC processor. PC based solar tracking is also high in demand using C++, Visual Basic VB, as well as MS Windows, Linux and Apple Mac based operating systems for sun path tables on Matlab, Excel. Some books and internet webpages use other terms, such as: sun angle calculator, sun position calculator or solar angle calculator. As said, such software code calculate the solar azimuth angle, solar altitude angle, solar elevation angle or the solar Zenith angle (Zenith solar angle is simply referenced from vertical plane, the mirror of the elevation angle measured from the horizontal or ground plane level). Similar software code is also used in solar calculator apps or the solar power calculator apps for IOS and Android smartphone devices. Most of these smartphone solar mobile apps show the sun path and sun-angles for any location and date over a 24 hour period. Some smartphones include augmented reality features in which you can physically see and look at the solar path through your cell phone camera or mobile phone camera at your phone's specific GPS location. In the computer programming and digital signal processing (DSP) environment, (free/open source) program code are available for VB, .Net, Delphi, Python, C, C+, C++, Swift, ADM, F, Flash, Basic, QBasic, GBasic, KBasic, SIMPL language, Squirrel, Solaris, Assembly language on operating systems such as MS Windows, Apple Mac, DOS or Linux OS. Software algorithms predicting position of the sun in the sky are commonly available as graphical programming platforms such as Matlab (Mathworks), Simulink models, Java applets, TRNSYS simulations, Scada system apps, Labview module, Beckhoff TwinCAT (Visual Studio), Siemens SPA, mobile and iphone apps, Android or iOS tablet apps, and so forth. At the same time, PLC software code for a range of sun tracking automation technology can follow the profile of sun in sky for Siemens, HP, Panasonic, ABB, Allan Bradley, OMRON, SEW, Festo, Beckhoff, Rockwell, Schneider, Endress Hauser, Fudji electric. Honeywell, Fuchs, Yokonawa, or Muthibishi platforms. Sun path projection software are also available for a range of modular IPC embedded PC motherboards, Industrial PC, PLC (Programmable Logic Controller) and PAC (Programmable Automation Controller) such as the Siemens S7-1200 or Siemens

Logo, Beckhoff IPC or CX series, OMRON PLC, Ercam PLC, AC500plc ABB, National Instruments NI PXI or NI cRIO, PIC processor, Intel 8051/8085, IBM (Cell, Power, Brain or Truenorth series), FPGA (Xilinx Altera Nios), Xeon, Atmel megaAVR, or Arduino AtMega microcontroller, with servo motor, stepper motor, direct current DC pulse width modulation PWM (current driver) or alternating current AC SPS or IPC variable frequency drives VFD motor drives (also termed adjustable-frequency drive, variable-speed drive, AC drive, micro drive or inverter drive) for electrical, mechatronic, pneumatic, or hydraulic solar tracking actuators. The above motion control and robot control systems include analogue or digital interfacing ports on the processors to allow for tracker angle orientation feedback control through one or a combination of angle sensor or angle encoder, shaft encoder, precision encoder, optical encoder, magnetic encoder, direction encoder, rotational encoder, chip encoder, tilt sensor, inclination sensor, or pitch sensor. Note that the tracker's elevation or zenith axis angle may measured using an altitude angle-, declination angle-, inclination angle-, pitch angle-, or vertical angle-, zenith angle- sensor or inclinometer. Similarly the tracker's azimuth axis angle be measured with a azimuth angle-, horizontal angle-, or roll angle- sensor. Chip integrated accelerometer magnetometer gyroscope type angle sensors can also be used to calculate displacement. Other options include the use of thermal imaging systems such as a Fluke thermal imager, or robotic or vision based solar tracker systems that employ face tracking, head tracking, hand tracking, eye tracking and car tracking principles in solar tracking. With unattended decentralised rural, island, isolated, or autonomous off-grid power installations, remote control, monitoring, data acquisition, digital datalogging and online measurement and verification equipment becomes crucial. It assists the operator with supervisory control to monitor the efficiency of remote renewable energy resources and systems and provide valuable web-based feedback in terms of CO2 and clean development mechanism (CDM) reporting. A power quality analyser for diagnostics through internet, WiFi and cellular mobile links is most valuable in frontline troubleshooting and predictive maintenance, where quick diagnostic analysis is required to detect and prevent power quality issues. Solar tracker applications cover a wide spectrum of solar energy and concentrated solar devices, including solar power generation, solar desalination, solar water purification, solar steam generation, solar electricity generation, solar industrial process heat, solar thermal heat storage, solar food dryers, solar water pumping, hydrogen production from methane or producing hydrogen and oxygen from water (HHO) through electrolysis. Many patented or non-patented solar apparatus include tracking in solar apparatus for solar electric generator, solar desalinator, solar steam engine, solar ice maker, solar water purifier, solar cooling, solar refrigeration, USB solar charger, solar phone charging, portable solar charging tracker, solar coffee brewing, solar cooking or solar dying means. Your project may be the next breakthrough or patent, but your invention is held back by frustration in search for the sun tracker you require for your solar powered appliance, solar generator, solar tracker robot, solar freezer, solar cooker, solar drier, solar pump, solar freezer, or solar dryer project. Whether your solar electronic circuit diagram include a simplified solar controller design in a solar electricity project, solar power kit, solar hobby kit, solar steam generator, solar hot water system, solar ice maker, solar desalinator, hobbyist solar panels, hobby robot, or if you are developing professional or hobby electronics for a solar utility or micro scale solar powerplant for your own solar farm or solar farming, this publication may help accelerate the development of your solar tracking innovation. Lately, solar polygeneration, solar trigeneration (solar triple generation), and solar quad generation (adding delivery of steam, liquid/gaseous fuel, or capture food-grade CO$_2$) systems have need for automatic solar tracking. These systems are known for significant efficiency increases in energy yield as a result of the integration and re-use of waste or residual heat and are suitable for compact packaged micro solar powerplants that could be manufactured and transported in kit-form and operate on a plug-and play basis. Typical hybrid solar power systems include compact or packaged solar micro combined heat and power (CHP or mCHP) or solar micro combined, cooling, heating and power (CCHP, CHPC, mCCHP, or mCHPC) systems used in distributed power generation. These systems are often combined in concentrated solar CSP and CPV smart microgrid configurations for off-grid rural, island or isolated microgrid, minigrid and distributed power renewable energy systems. Solar tracking algorithms are also used in modelling of trigeneration systems using Matlab and Simulink platform as well as in automation and control of renewable energy systems through intelligent parsing, multi-objective, adaptive learning control and control optimization strategies. Solar tracking algorithms also find application in developing solar models for country or location specific solar studies, for example in terms of measuring or analysis of the fluctuations of the solar radiation (i.e. direct and diffuse radiation) in a particular area. Solar DNI, solar irradiance and atmospheric information and models can thus be integrated into a solar map, solar atlas or geographical information systems (GIS). Such models allows for defining local parameters for specific regions that may be valuable in terms of the evaluation of different solar in photovoltaic of CSP systems on simulation and synthesis platforms such as Matlab and Simulink or in linear or multi-objective optimization algorithm platforms such as COMPOSE, EnergyPLAN or DER-CAM. A dual-axis solar tracker and single-axis solar tracker may use a sun tracker program or sun tracker algorithm to position a solar dish, solar panel array, heliostat array, PV panel, solar antenna or infrared solar nantenna. A self-tracking solar concentrator performs automatic solar tracking by computing the solar vector. Solar position algorithms (TwinCAT, SPA, or PSA Algorithms) use an astronomical algorithm to calculate the position of the sun. It uses astronomical software algorithms and equations for solar tracking in the calculation of sun's position in the sky for each location on the earth at any time of day. Like an optical solar telescope, the solar position algorithm pin-points the solar reflector at the sun and locks onto the sun's position to track the sun across the sky as the sun progresses throughout the day. Optical sensors such as photodiodes, light-dependant-resistors (LDR) or photoresistors are used as optical accuracy feedback devices. Lately we also included a section in the book (with links to microprocessor code) on how the PixArt Wii infrared camera in the Wii remote or Wiimote may be used in infrared solar tracking applications. In order to harvest free energy from the sun, some automatic solar positioning systems use an optical means to direct the solar tracking device. These solar tracking strategies use optical tracking techniques, such as a sun sensor means, to direct sun rays onto a silicon or CMOS substrate to determine the X and Y coordinates of the sun's position. In a solar mems sun-sensor device, incident sunlight enters the sun sensor through a small pin-hole in a mask plate where light is exposed to a silicon substrate. In a web-camera or camera image processing sun tracking and sun following means, object tracking software performs multi object tracking or moving object tracking methods. In an solar object tracking technique, image processing software performs mathematical processing to box the outline of the apparent solar disc or sun blob within the captured image frame, while sun-localization is performed with an edge detection algorithm to determine the solar vector coordinates. An automated positioning system help maximize the yields of solar power plants through solar tracking control to harness sun's energy. In such renewable energy systems, the solar panel positioning system uses a sun tracking techniques and a solar angle calculator in positioning PV panels in photovoltaic systems and concentrated photovoltaic CPV systems. Automatic on-axis solar tracking in a PV solar tracking system can be dual-axis sun tracking or single-axis sun solar tracking. It is known that a motorized positioning system in a photovoltaic panel tracker increase energy yield and ensures increased power output, even in a single axis solar tracking configuration. Other applications such as robotic solar tracker or robotic solar tracking system uses robotica with artificial intelligence in the control optimization of energy yield in solar harvesting through a robotic tracking system. Automatic positioning systems in solar tracking designs are also used in other free energy generators, such as concentrated solar thermal power CSP and dish Stirling systems. The sun tracking device in a solar collector in a solar concentrator or solar collector Such a performs on-axis solar tracking, a dual axis solar tracker assists to harness energy from the sun through an optical solar collector, which can be a parabolic mirror, parabolic reflector, Fresnel lens or mirror array/matrix. A parabolic dish or reflector is dynamically steered using a transmission system or solar tracking slew drive mean. In steering the dish to face the sun, the power dish actuator and actuation means in a parabolic dish system optically focusses the sun's energy on the focal point of a parabolic dish or solar concentrating means. A Stirling engine, solar heat pipe, thermosyphin, solar phase change material PCM receiver, or a fibre optic sunlight receiver means is located at the focal point of the solar concentrator. The dish Stirling engine configuration is referred to as a dish Stirling system or Stirling power generation system. Hybrid solar power systems (used in combination with biogas, biofuel, petrol, ethanol, diesel, natural gas or PNG) use a combination of power sources to harness and store solar energy in a storage medium. Any multitude of energy sources can be combined through the use of controllers and the energy stored in batteries, phase change material, thermal heat storage, and in cogeneration form converted to the required power using thermodynamic cycles (organic Rankin, Brayton cycle, micro turbine, Stirling) with an inverter and charge controller. 这本书详细介绍了全自动太阳能跟踪，太阳跟踪系统的出现，太阳能跟踪器和太阳跟踪系统。智能全自动太阳能跟踪器是定向向着太阳的有效载荷设备。这种可编程计算机的太阳能跟踪装置，包括太阳跟踪，太阳能跟踪系统，以及微控制器，微处理器和/或基于PC机的太阳跟踪控制，以定向太阳能反射器，太阳透镜，光电板或其他光学配置朝向太阳的原理。机动空间框架和运动系统，确保运动动力学和采用的驱动技术和传动原理引导光学配置，如曼金，抛物线，圆锥曲线，或卡塞格林式太阳能集热器面向太阳，不断跟随太阳运动的轮廓。从阳光透过太阳能跟踪器或实用的太阳能跟踪系统利用电力，可再生能源控制的自动化系统需要自动太阳跟踪软件和太阳位置算法来实现控制与自动化架构，电路板和硬件的动态运动控制。上轴太阳跟踪系统，如高度，方位角双轴或多轴太阳跟踪系统使用太阳跟踪算法或光线追踪传感器或软件，以确保通过天空中太阳的通道被跟踪的高精度的自动太阳跟踪器的应用，通过正确的夏至，春分太阳和冬至。一种高精度太阳位置计算器或太阳位置算法是这样的自动太阳能跟踪系统的设计和施工中的重要一步。 В этой книге подробно Автоматическая Solar-Tracking, BC-Tracking-Systems, Solar-трекеры и BC Tracker Systems. Интеллектуальный автоматический солнечной слежения является устройством, которое ориентирует полезную нагрузку к солнцу. Такое программируемый компьютер на основе солнечной устройство слежения включает принципы солнечной слежения, солнечных систем слежения, а также микроконтроллер, микропроцессор и / или ПК на базе управления солнечной отслеживания ориентироваться солнечных отражателей, солнечные линзы, фотоэлектрические панели или другие оптические конфигурации к BC Моторизованные космические кадры и кинематические системы обеспечения динамики движения и использовать приводной техники и готовится принципы, чтобы

направить оптические конфигурации, такие как Манжен, параболических, конических или Кассегрена солнечных коллекторов энергии, чтобы лицом к солнцу и следовать за солнцем контур движения непрерывно. В обуздывать силу от солнца через солнечный трекер или практической солнечной системы слежения, системы возобновляемых контроля энергии автоматизации требуют автоматического солнечной отслеживания программного обеспечения и алгоритмов солнечные позиции для достижения динамического контроля движения с архитектуры автоматизации управления, печатных плат и аппаратных средств. На оси системы слежения ВС, таких как высота-азимут двойной оси или многоосевые солнечные системы трекер использовать алгоритм отслеживания солнце или трассировки лучей датчиков или программное обеспечение, чтобы обеспечить прохождение солнца по небу прослеживается с высокой точностью в автоматизированных приложений Солнечная Tracker , прямо через летнего солнцестояния, солнечного равноденствия и зимнего солнцестояния.Высокая точность позиции ВС калькулятор или положение солнца алгоритм это важный шаг в проектировании и строительстве автоматической системой солнечной слежения.

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