

Title: Steering solar power generation

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The work was concerned with design of steering system and braking system of solar car. The effects of these systems were tested after designing for various performance parameters of the system.

The 95% efficient converter delivers electricity efficiently and reliability to the car's 12 V systems, including steering, vehicle control, ...

This short shows the steering mechanism of my solar-powered IoT car -- designed using simple laser-cut acrylic and basic hardware components.? Built for a su...

Boasting several industry-leading technological innovations, this solar car is student-driven reaching speeds of over 55 mph fueled only by the sun, and ...

The document describes the design and analysis of a steering ...

This project was part of my machine design course MECH 325 and was done in collaboration with UBC Solar's Vehicle Mechanics sub-team to research and design a steering system that may potentially ...

In this paper a virtual prototype of linkage assembly with complete geometry is proposed to enhance and facilitate steering response of an Electric-Solar Vehicle by varying the different parameters employed ...

When solar power generation is adopted, the solar panel needs to be steered and adjusted along with the position of the sun. At present, a great number of solutions are available for...

The steering systems within a solar car, much like suspensions, vary greatly. The teams must meet turning radius and handling requirements, but are free to use ...

In this paper, we built a three-dimensional modeling of chassis for Solar-powered electric vehicles using Solid Works software. First, we added constraint relationship to the components of steering mechanism.

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