

عنوان مقاله:

Derivation of Performance Model of a Constructed Analog Sun Sensor

محل انتشار:

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خلاصه مقاله:

In this paper performance of a constructed analog sun sensor by authors presented I ICEE2006, and its mechanical structure will be modelled by geometric calculation. The validation of calculations will be investigated by simulation. Mechanical design is such that the sensor has 360° FOV about the X and Y axis and 180° FOV about the Z axis. Error analysis method used in this paper is based on derived model and its results show that the precision of the sensor is acceptable.

کلمات کلیدی:

sun sensor, planetary motion, error analysis, attitude determination

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