

عنوان مقاله:

Klein Approach to Investigate the Effect of Different Surfaces on the Maximum Solar Radiation of a Solar Collector inclined at Optimum Tilt and Azimuth Angles

محل انتشار:

اولین کنفرانس ملی تاسیسات نوین ساختمانی (سال: 1391)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

This paper deals with investigation of the effect of reflective coefficient of different covers on the maximum irradiation of a solar collector inclined at optimum tilt and azimuth angles using an isotropic model KT. The study showed that the results of this model are in good agreement with the previous works. As expected, the higher reflective coefficient of covers results in increment of the solar radiation. Using aluminum foil caused the maximum total solar radiation on the collector during the year increases about 10.48%

کلمات کلیدی:

solar collector, cover reflective coefficient, solar energy, KT method

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/204876>

