

TRACKING SYSTEMS FOR TROUGH COLLECTORS

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Abstract: *Concentrator collectors are generally used in order to increase the quantity of energy absorbed from the Sun. These collectors use only the direct radiation, being equipped with a single axis tracking system. This paper presents some types of tracking systems, with linkages and cam mechanisms and the kinematic analysis of a complex mechanism of this type, using multibody system method.*

Key words: *trough collector, tracking systems, linkage-cams mechanisms, multibody modeling, kinematic analysis.*

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