

# ANALYSIS OF THE SUN-EARTH ANGLES USED IN THE DESIGN OF THE SOLAR COLLECTORS' TRACKERS

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**Abstract:** *This paper presents the conclusions derived from the comparative analysis of some representative correlations that are proposed in literature for the modelling of the Sun-Earth angles. On the basis of these conclusions, we established an improved modelling variant, whose correlations will be used in the design of the solar collectors' trackers.*

**Key words:** *summer/winter solstice, spring/autumnal equinox, latitude, hour angle, declination, azimuth, altitude, zenith angle, solar collector tracker.*

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