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The assessment of the tilt angle for optimal solar energy utilization, case southern Albania

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This study assesses the specific optimal tilt angle of a plane surface facing south to collect the maximal potential of solar energy. The study focuses on 5 different regions of Albania using several years of hourly solar radiation intensity data. The analysis shows the monthly variation of optimal tilt angle. The optimum tilt angle of the plain surface with horizon gradually increased from summer to winter, having a minimum in June-July and a maximum in December -January.

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