

Spin determination of Lageos-1 from kHz laser observations

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The first SLR system operating with 2 kHz laser works at Graz Station. Very high density data allows to see retro tracks. Analysis of this phenomena gives information about parameters of very slow rotation (~ 0.0003 Hz) objects like LAGEOS-1. Thus kHz laser technique produces new kind of data about LAGEOS -1 orbital movement. Not just the range but also rotation parameters. How to recognize spin tracks of LAGEOS -1 satellite will be shown.