

Analyzing the shape of (51)Nemausa

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On, April 1, 2018, we observed a star occultation of asteroid (51) Nemausa. From the collected data and the data from other observation points, we estimated the cross sectional view of Nemausa. We've also conducted a photometric observation to calculate Nemausa's rotation period. From the two results, we estimated the possible shape of Nemausa. In addition, we compared the light curve of the actual data with the light curve of a model of the estimated shape.

Keywords: asteroid, photometric observation

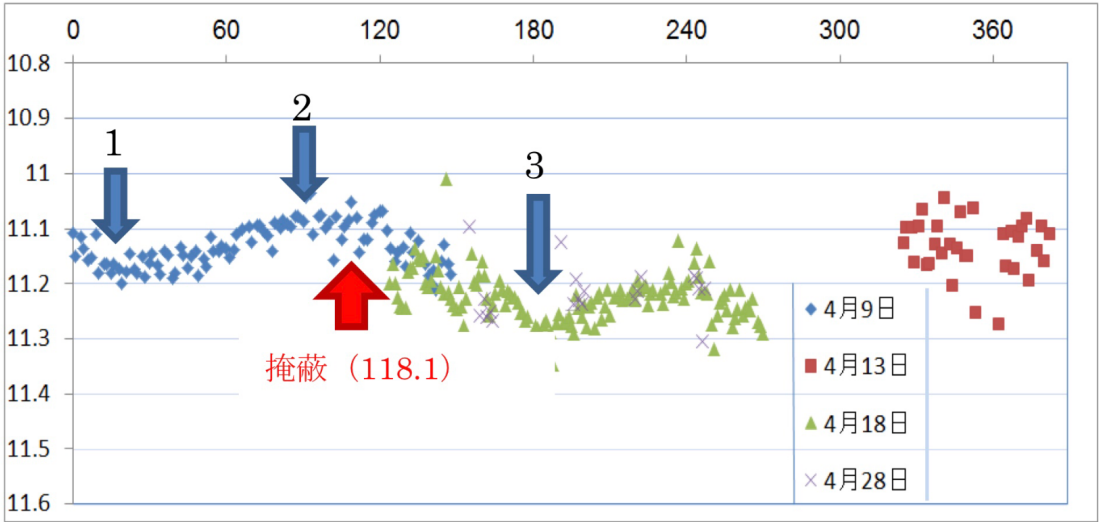


図1:観測したライトカーブ(縦軸:等級、横軸:分)

図2

回転軸に対し横から見た図

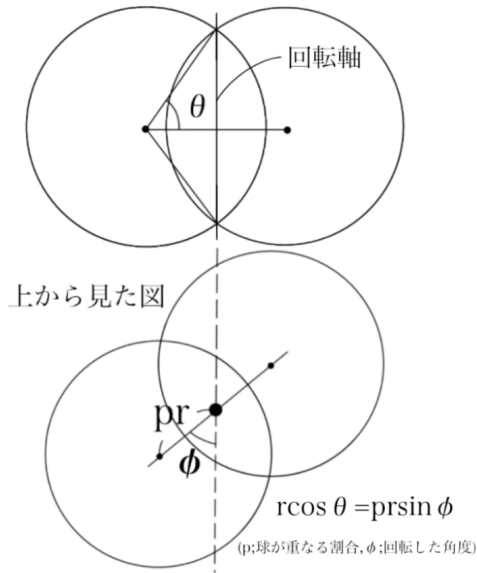


図3

