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1412 Lagrula (1937 BA)

Classification: [Main-belt Asteroid](#) SPK-ID: 2001412

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Orbital Elements at Epoch 2456600.5 (2013-Nov-04.0) TDB				Orbit Determination Parameters	
Reference: JPL 5 (heliocentric ecliptic J2000)					
Element	Value	Uncertainty (1-sigma)	Units		
e	.1124633351967771	4.6161e-08		# obs. used (total)	1309
a	2.214646264101501	5.8728e-09	AU	data-arc span	30588 days (83.75 yr)
q	1.965579758959564	1.0196e-07	AU	first obs. used	1929-10-27
i	4.71732780583353	5.6126e-06	deg	last obs. used	2013-07-26
node	66.15443071067534	8.9083e-05	deg	planetary ephem.	DE431
peri	13.81347575876642	9.5432e-05	deg	SB-pert. ephem.	SB431-BIG16
M	147.0075280635045	3.5983e-05	deg	condition code	0
t ₀	2456108.922435852418 (2012-Jun-30.42243585)	0.00011987	JED	fit RMS	.53707
period	1203.801774128756	4.7884e-06	d	data source	ORB
	3.30	1.311e-08	yr	producer	Otto Matic
n	.2990525581012271	1.1895e-09	deg/d	solution date	2013-Aug-26 18:07:53
Q	2.463712769243438	6.5333e-09	AU	Additional Information	
				Earth MOID = .980963 AU	
				T _{jup} = 3.642	

[\[show covariance matrix \]](#)

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Physical Parameter Table

Parameter	Symbol	Value	Units	Sigma	Reference	Notes
absolute magnitude	H	12.3	mag	n/a	MPO267712	
rotation period	rot_per	5.9176	h	n/a	Asteroid Lightcurve DataBase (Rev. 2013-Sep-12)	Result based on less than full coverage, so that the period may be wrong by 30 percent or so. Published Reference List: [Casalnuovo, G.B. (2013) Minor Planet Bul. 40, 188.]

1412 Lagrula (1937 BA) Discovered 1937-Jan-19 by Boyer, L. at Algiers
 Reference: [DISCOVERY.DB](#) Last Updated: 2003-08-29