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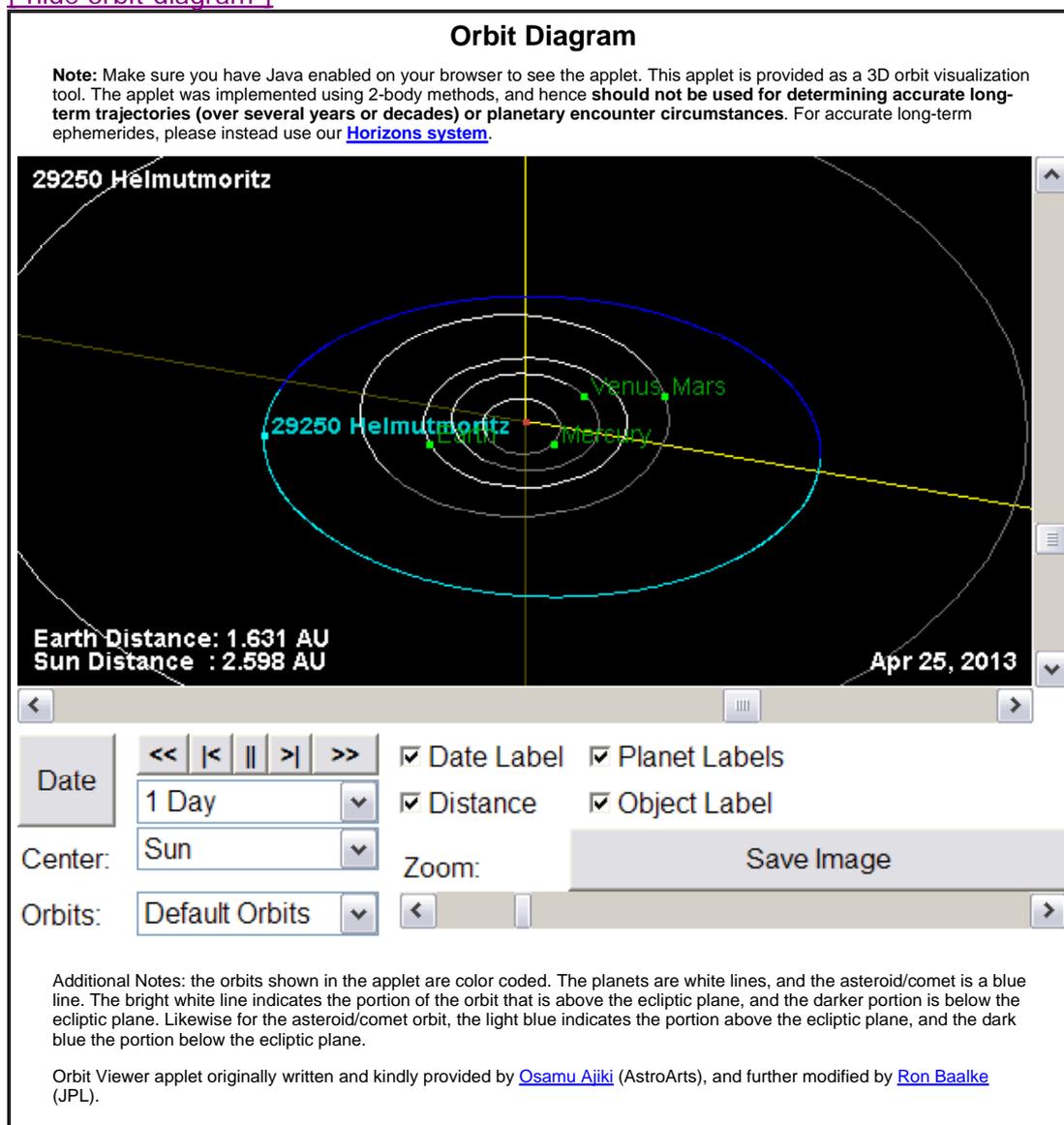
29250 Helmutmoritz (1992 SO17)

Classification: [Main-belt Asteroid](#)

SPK-ID: 2029250

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Orbital Elements at Epoch 2456400.5 (2013-Apr-18.0) TDB
Reference: [MPO257068](#) (heliocentric ecliptic J2000)

Element	Value	Uncertainty (1-sigma)	Units
e	0.1708167	n/a	
a	2.7756134	n/a	AU

Orbit Determination Parameters

# obs. used (total)	668
first obs. used	1985-??-??
last obs. used	2013-03-20
# oppositions	16

q	2.3014923	n/a	AU		
i	7.58688	n/a	deg	planetary ephem.	DE403
node	183.70685	n/a	deg	condition code	0
peri	301.40559	n/a	deg	fit RMS	0.52
M	57.41580	n/a	deg	data source	MPC:mpn
t_p	2456131.1197157	n/a	JED	producer	MPCLINUX
	(2012-Jul-22.61971570)				
period	1689.0281482	n/a	d	Additional Information	
	4.62	n/a	yr	T_{jup}	= 3.301
n	0.21314032	n/a	deg/d		
Q	3.2497345	n/a	AU		

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Physical Parameter Table

Parameter	Symbol	Value	Units	Sigma	Reference	Notes
absolute magnitude	H	14.1	mag	n/a	PDS3 (MPO 16225)	

29250 Helmutmoritz

Discovered 1992 Sept. 24 by L. D. Schmadel and F. Börngen at Tautenburg.

Helmut Moritz (b. 1933) is the most prominent Austrian professor of physical geodesy, a member of the Austrian Academy of Sciences and of many other international academies and societies. Moritz published more than 200 important papers and books on the gravitational field and the rotation of the earth.

NOTE: some special characters may not display properly (any characters within {} are an attempt to place the proper accent above a character)

Reference: 20090209/MPCPages.arc

Last Updated: 2009-02-11

Alternate Designations

1992 SO17 = 1985 DR2 = 1999 GY

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