



## LVII. Figure of the orbits of the new planets

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To cite this article: Jerome de Lalande (1804) LVII. Figure of the orbits of the new planets , Philosophical Magazine Series 1, 18:72, 325-325, DOI: [10.1080/14786440408676502](https://doi.org/10.1080/14786440408676502)

To link to this article: <http://dx.doi.org/10.1080/14786440408676502>



Published online: 18 May 2009.



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draw from Westphalia exceeding all belief. They are fattened in a very short time for the use of the navy and merchants, who employ them on board ships for the subsistence of the seamen, who are not supplied there with beef as they are in this kingdom, while other distillers fatten with this residue bullocks and cows; and it is a circumstance worthy of notice, that cows fed with this residue give a considerable quantity of milk. It is thus that the Dutch distiller draws some profit from every thing; nothing is lost with him, and this economy is in general the cause of the low price of geneva.

LVII. *Figure of the Orbits of the new Planets.* By  
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THE mean distance from the sun, of both, is 2.77, that of the sun being 1, which gives 95 millions of miles. (See Plate VIII.)

*Piazzi or Ceres, discovered January 1, 1801.*

Revolution	4 years 7 months 10 days.		
Mean longitude January 1, 1804	-	10° 11' 59"	
Annual motion	- - -	2 18 14	
Aphelion	- - -	10 26 44	
Node	- - -	2 21 6	
Equation of the orbit	- - -	0 9 3	
Eccentricity	- - -	0.097	
Inclination	- - -	0 10 37	

*Obers or Pallas, discovered March 28, 1802.*

Revolution	4 years 7 months 11 days.		
Mean longitude January 1, 1804	-	9° 29' 53"	
Annual motion	- - -	2 18 11	
Aphelion	- - -	10 1 7	
Node	- - -	5 22 28	
Equation of the orbit	- - -	0 28 25	
Eccentricity	- - -	0.2463	
Inclination	- - -	0 34 39	

\* From the *Journal de Physique*, Brumaire, an. 12.

*Figure of the Orbits of the two new Planets.*

