

# Harmonics to Neptune



**ALL WITHIN .5 PERCENT UNLES MARKED BLACK**  
3 PROPERTIES MUSICAL OF 6

## 1. Self ODR – farthest distance from sun over closest

**1.0227697153785578**

## 2. Solar Day

**Eris 1.61** ×1 PERCENT

## 3. Year Length

**Mercury** PLANET → **1.33636**, **Saturn** PLANET → **1.39902**,  
**Pluto 1.50445**, **Ceres 1.119458**,

## 4. Mass

**Mars** PLANET → **1.2470795132408728044**

## 5. Angular Momentum

**Venus** → **1.00 !!!!**

**Mercury** → **1.88**,

## 6. Radius

**Eris 1.3232**

Solar Day LENGTHS

**Eris 1.61**, **Uranus** PLANET → **1.0701**, **Earth** PLANET → **1.4897**,

**Ceres 1.18949**, **Saturn** PLANET → **1.5117**

**Jupiter** PLANET → **1.62304**

Out[20]= Harmonics Neptune to

Out[21]= 0.5 ALL MARKED PERCENT UNLES WITHIN

Out[22]= 1.02277

Out[23]= 1. ODR Self – closest distance farthest from over sun

Out[24]= 1.10277

Out[25]= 2. Day Solar

Out[26]= 1.61 Eris

Out[27]= 3. Length Year

In[ ]:=  $2^{\text{FractionalPart}[\text{Log}[2, \text{EntityValue}["\text{Planet}", "\text{SolarDay}", "\text{EntityAssociation}"] / \text{Entity}["\text{Planet}", "\text{Neptune}][\text{"SolarDay"}]]]}$

Out[ ]:=  $\langle \left\{ \begin{array}{l} \text{Mercury} \rightarrow 1.0238, \text{ Venus} \rightarrow 1.3588, \text{ Earth} \rightarrow 1.4897, \text{ Mars} \rightarrow 1.5307, \\ \text{Jupiter} \rightarrow 0.6161, \text{ Saturn} \rightarrow 0.6615, \text{ Uranus} \rightarrow 1.0701, \text{ Neptune} \rightarrow 1.0000 \end{array} \right\} \rangle$

In[ ]:=  $2^{\text{FractionalPart}[\text{Log}[2, \text{Entity}["\text{Planet}", "\text{Neptune}][\text{"SolarDay"}"] / \text{EntityValue}["\text{Planet}", "\text{SolarDay}", "\text{EntityAssociation}"]]}]}$

Out[ ]:=  $\langle \left\{ \begin{array}{l} \text{Mercury} \rightarrow 0.9767, \text{ Venus} \rightarrow 0.73594, \text{ Earth} \rightarrow 0.67126, \text{ Mars} \rightarrow 0.65330, \\ \text{Jupiter} \rightarrow 1.6230, \text{ Saturn} \rightarrow 1.5117, \text{ Uranus} \rightarrow 0.9345, \text{ Neptune} \rightarrow 1.0000 \end{array} \right\} \rangle$

In[ ]:=  $2^{\text{FractionalPart}[\text{Log}[2, \text{Entity}["\text{Planet}", "\text{Neptune}][\text{"SolarDay"}"] / \text{Entity}["\text{MinorPlanet}", "\text{Ceres}][\text{"SolarDay"}]]]}$

Out[ ]:= 1.775

In[ ]:=  $2^{\text{FractionalPart}[\text{Log}[2, \text{Entity}["\text{MinorPlanet}", "\text{Pluto}][\text{"SolarDay"}"] / \text{Entity}["\text{Planet}", "\text{Neptune}][\text{"SolarDay"}]]]}$

Out[ ]:= 1.1895

In[ ]:=  $2^{\text{FractionalPart}[\text{Log}[2, \text{Entity}["\text{MinorPlanet}", "\text{Eris}][\text{"SolarDay"}"] / \text{Entity}["\text{Planet}", "\text{Neptune}][\text{"SolarDay"}]]]}$

Out[ ]:= 1.61

## HARMONICS TO Neptune

### YEAR LENGTHS

**Mercury** PLANET → 1.33636, **Venus** PLANET → 1.04635, **Saturn** PLANET → 1.39902,  
**Pluto** 1.50445, **Ceres** 1.119458, **Eris** 1.68973, **Moon** 1.07567

```
In[ ]:= 2^FractionalPart[Log[2, Entity["Planet", "Neptune"]["OrbitPeriod"] /
  EntityValue["Planet", "OrbitPeriod", "EntityAssociation"]]]
```

```
Out[ ]:= { | Mercury → 1.336361, Venus → 1.0463572, Earth → 1.2874098, Mars → 1.3689915,
  Jupiter → 1.7364565, Saturn → 1.3990265, Uranus → 1.9614081, Neptune → 1.0000000 | }
```

```
In[ ]:= 2^FractionalPart[Log[2, Entity["MinorPlanet", "Pluto"]["OrbitPeriod"] /
  Entity["Planet", "Neptune"]["OrbitPeriod"]]]
```

```
Out[ ]:= 1.5044521
```

```
In[ ]:= 2^FractionalPart[Log[2, Entity["Planet", "Neptune"]["OrbitPeriod"] /
  Entity["MinorPlanet", "Ceres"]["OrbitPeriod"]]]
```

```
Out[ ]:= 1.1194589
```

```
In[ ]:= 2^FractionalPart[Log[2, Entity["MinorPlanet", "Eris"]["OrbitPeriod"] /
  Entity["Planet", "Neptune"]["OrbitPeriod"]]]
```

```
Out[ ]:= 1.6897
```

```
In[ ]:= 2^FractionalPart[Log[2,
  Entity["Planet", "Neptune"]["OrbitPeriod"] / Moon PLANETARY MOON ["OrbitPeriod"]]]
```

```
Out[ ]:= 1.0757
```

```
In[ ]:= my = 2^FractionalPart[Log[2,
  EntityValue["Planet", "OrbitPeriod"] / Entity["Planet", "Mercury"]["OrbitPeriod"]]]
```

```
Out[ ]:= {1.000000, 1.277155, 1.038023, 1.952329, 1.539181, 1.910415, 1.362654, 1.336361}
```

```
In[ ]:= MatrixForm[%]
```

```
Out[ ]//MatrixForm=
```

$$\begin{pmatrix} 1.000000 \\ 1.277155 \\ 1.038023 \\ 1.952329 \\ 1.539181 \\ 1.910415 \\ 1.362654 \\ 1.336361 \end{pmatrix}$$

```
In[ ]:= Export["mercyear.xls", my, "XLS"]
```

```
Out[ ]:= mercyear.xls
```

```
In[ ]:= SystemOpen["mercyear.xls"]
```

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## HARMONICS OF FARTHEST PT OVER NEAREST TO SUN FOR EACH PLANET

In[ ]:=  $2^{\text{FractionalPart}[\text{Log}[2, \text{EntityValue}["\text{Planet}", "\text{Aphelion}", "\text{EntityAssociation}"] / \text{EntityValue}["\text{Planet}", "\text{Perihelion}", "\text{EntityAssociation}"]]]}$

Out[ ]:=  $\langle \left\{ \begin{array}{l} \text{Mercury} \rightarrow 1.5177206, \text{ Venus} \rightarrow 1.0136388, \text{ Earth} \rightarrow 1.03398839, \text{ Mars} \rightarrow 1.20607457, \\ \text{Jupiter} \rightarrow 1.10170720, \text{ Saturn} \rightarrow 1.114502, \text{ Uranus} \rightarrow 1.09900527, \text{ Neptune} \rightarrow 1.0173205 \end{array} \right\} \rangle$

In[ ]:=  $\text{Entity}["\text{MinorPlanet}", "\text{Ceres}"]["\text{Aphelion}"] / \text{Entity}["\text{MinorPlanet}", "\text{Ceres}"]["\text{Perihelion}"]$

Out[ ]:= 1.1733465

In[ ]:=  $\text{Entity}["\text{MinorPlanet}", "\text{Pluto}"]["\text{Aphelion}"] / \text{Entity}["\text{MinorPlanet}", "\text{Pluto}"]["\text{Perihelion}"]$

Out[ ]:= 1.67

In[ ]:=  $\text{Entity}["\text{MinorPlanet}", "\text{Eris}"]["\text{Aphelion}"] / \text{Entity}["\text{MinorPlanet}", "\text{Eris}"]["\text{Perihelion}"]$

In[ ]:=  $2.5847131940170787205 \cdot 4.087973628208405 / 2$

Out[ ]:= 1.292

In[ ]:=  $\text{Moon}_{\text{PLANETARY MOON}}["\text{Aphelion}"] / \text{Moon}_{\text{PLANETARY MOON}}["\text{Perihelion}"]$

Out[ ]:=  $\frac{\text{Missing}[\text{UnknownProperty}, \{\text{PlanetaryMoon}, \text{Aphelion}\}]}{\text{Missing}[\text{UnknownProperty}, \{\text{PlanetaryMoon}, \text{Perihelion}\}]}$

Out[ ]:=  $\text{Missing}[\text{UnknownProperty}, \{\text{PlanetaryMoon}, \text{Perihelion}\}]$

## HARMONICS TO NEPTUNE

## MASS

Saturn → 1.387, Mercury → 1.212, Venus → 1.315,  
Earth → 1.072, Mars → 1.247, Uranus → 1.180,  
 Ceres 1.51, Moon 1.1812, Eris 1.65

```
In[ ]:= 2^FractionalPart[Log[2, EntityValue["Planet", "Mass", "EntityAssociation"] /
Entity["Planet", "Neptune"]["Mass"]]]
```

```
Out[ ]:= { | Mercury → 0.825, Venus → 0.760, Earth → 0.933, Mars → 0.802,
Jupiter → 1.158, Saturn → 1.387, Uranus → 0.847, Neptune → 1.000 | }
```

```
In[ ]:= 2^FractionalPart[Log[2, Entity["Planet", "Neptune"]["Mass"] /
EntityValue["Planet", "Mass", "EntityAssociation"]]]
```

```
Out[ ]:= { | Mercury → 1.212, Venus → 1.315, Earth → 1.072, Mars → 1.247,
Jupiter → 0.863, Saturn → 0.721, Uranus → 1.180, Neptune → 1.000 | }
```

```
In[ ]:= 2^FractionalPart[
Log[Entity["Planet", "Neptune"]["Mass"] / Entity["MinorPlanet", "Eris"]["Mass"]]]
```

```
Out[ ]:= 1.65
```

```
In[ ]:= 2^FractionalPart[
Log[Entity["Planet", "Neptune"]["Mass"] / Entity["MinorPlanet", "Pluto"]["Mass"]]]
```

```
Out[ ]:= 1.952
```

```
In[ ]:= 2^FractionalPart[
Log[Entity["Planet", "Neptune"]["Mass"] / Entity["MinorPlanet", "Ceres"]["Mass"]]]
```

```
Out[ ]:= 1.51
```

```
In[ ]:= 2^FractionalPart[Log[Entity["Planet", "Neptune"]["Mass"] / Moon PLANETARY MOON ["Mass"]]]
```

```
Out[ ]:= 1.1812
```

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### Neptune by Radius

**Jupiter** PLANET I → 1.42033, **Saturn** PLANET I → 1.1838, **Mercury** PLANET I → 1.26157,  
**Mars** PLANET → 1.8161, Eris 1.3232

*In[ ]:=*

$2^{\text{FractionalPart}[\text{Log}[2, \text{EntityValue}["\text{Planet}", "Radius", "EntityAssociation"] / \text{Entity}["\text{Planet}", "Neptune"] ["Radius"]]]}$

*Out[ ]:=* { **Mercury** → 0.79, **Venus** → 0.98, **Earth** → 0.517, **Mars** → 0.551,  
**Jupiter** → 1.42, **Saturn** → 1.18, **Uranus** → 1.03, **Neptune** → 1.00 }

*In[ ]:=*

$2^{\text{FractionalPart}[\text{Log}[2, \text{Entity}["\text{Planet}", "Neptune"] ["Radius"] / \text{EntityValue}["\text{Planet}", "Radius", "EntityAssociation"]]]}$

*Out[ ]:=* { **Mercury** → 1.26, **Venus** → 1.02, **Earth** → 1.93, **Mars** → 1.82,  
**Jupiter** → 0.704, **Saturn** → 0.845, **Uranus** → 0.97, **Neptune** → 1.00 }

*In[ ]:=*

$2^{\text{FractionalPart}[\text{Log}[2, \text{Entity}["\text{Planet}", "Neptune"] ["Radius"] / \text{Entity}["\text{MinorPlanet}", "Pluto"] ["Radius"]]]}$

*Out[ ]:=* 1.29

*In[ ]:=*

$2^{\text{FractionalPart}[\text{Log}[2, \text{Entity}["\text{Planet}", "Neptune"] ["Radius"] / \text{Entity}["\text{MinorPlanet}", "Eris"] ["Radius"]]]}$

*Out[ ]:=* 1.32

*In[ ]:=*

$2^{\text{FractionalPart}[\text{Log}[2, \text{Entity}["\text{Planet}", "Neptune"] ["Radius"] / \text{Entity}["\text{MinorPlanet}", "Ceres"] ["Radius"]]]}$

*Out[ ]:=* 1.64

-----  
**Neptune Ang Momentum**

**Venus 1.00 !!!!**

**Mercury 1.88, Mars n Pluto 1.34, Uranus 1.04**

$2^{\text{FractionalPart}[\text{Log}[2, \text{angN} / \text{angMom}] ]}$

*Out[ ]:=* Ang Momentum Neptune

*Out[ ]:=* {1.88, 1.00, 1.63, 1.34, 1.96, 0.69, 0.78, 1.04, 1.00, 1.34, 1.63}

*In[ ]:=*

$2^{\text{FractionalPart}[\text{Log}[2, \text{angMom} / \text{angN}] ]}$

*Out[ ]:=* {0.53, 1.00, 0.61, 0.74, 0.51, 1.44, 1.29, 0.96, 1.00, 0.74, 0.61}