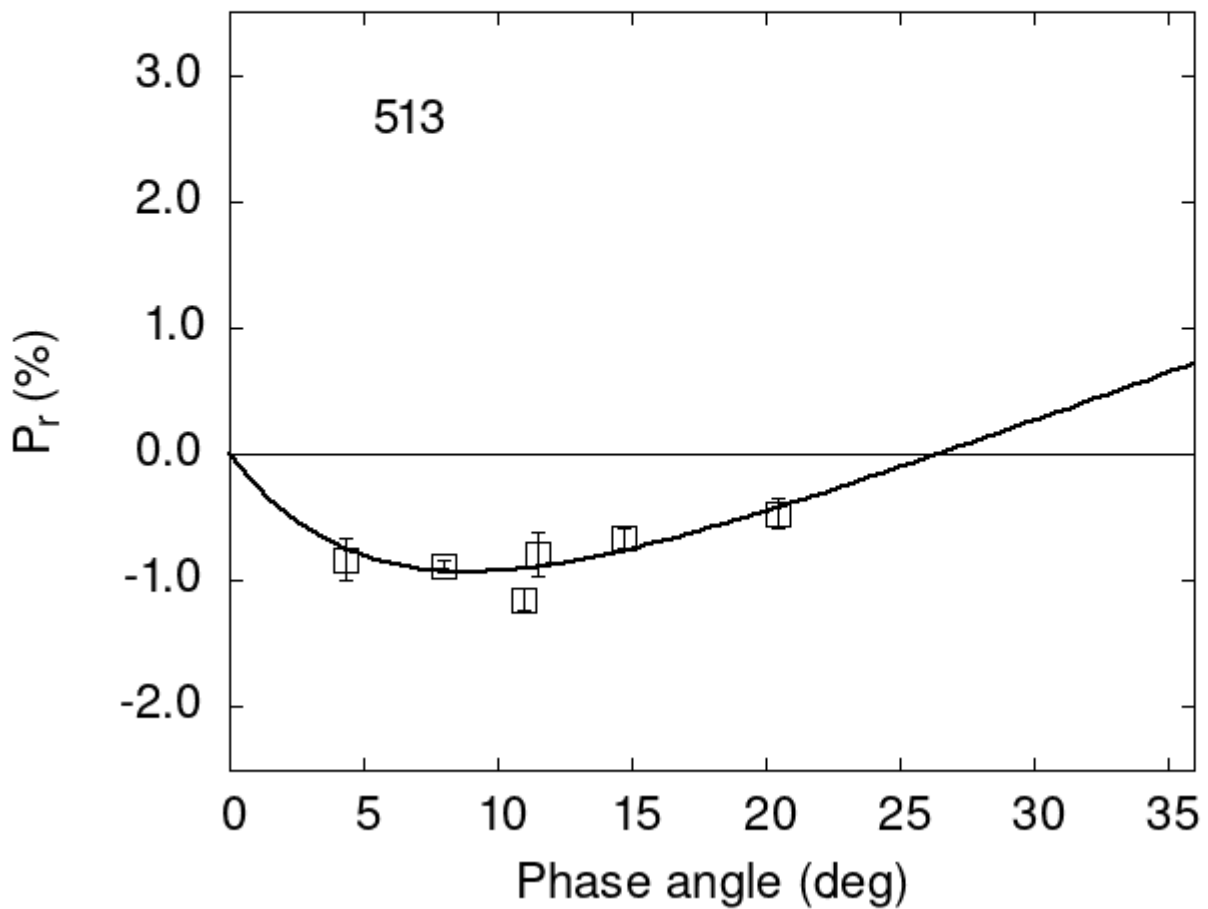


Catalogue of Asteroid Polarization Curves

Gil-Hutton (2023)



Polarimetric data:

The columns list the object number, the phase angle (degrees), P_r (%), its error, the filter used, and the reference code.

```
513 10.98 -1.15 0.09 V f
513 20.48 -0.47 0.12 V f
513 4.30 -0.83 0.16 V a
513 8.00 -0.88 0.05 V a
513 11.50 -0.79 0.18 V a
513 14.70 -0.66 0.08 V a
```

Polarization Curve Parameters:

The polarimetric parameters were obtained fitting the observations to a polarization curve using the function:

$$P_r(\alpha) = Coe_1 \times \left[\exp\left(-\frac{\alpha}{Coe_2}\right) - 1 \right] + Coe_3 \times \alpha,$$

where α is the phase angle in degrees. The minimum of the polarization curve is identified by Pmin, Phmin is the phase angle where Pmin is reached, Ph0 is the inversion angle, and k is the slope of the polarization curve at Ph0.

```
#
#      Coe1      eCoe1      Coe2      eCoe2      Coe3      eCoe3
#      2.0585    0.4778    5.8131    1.4989    0.0769    0.0205
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      8.88    2.20 -0.929    0.452 26.49    0.55 0.0732 0.0208
```