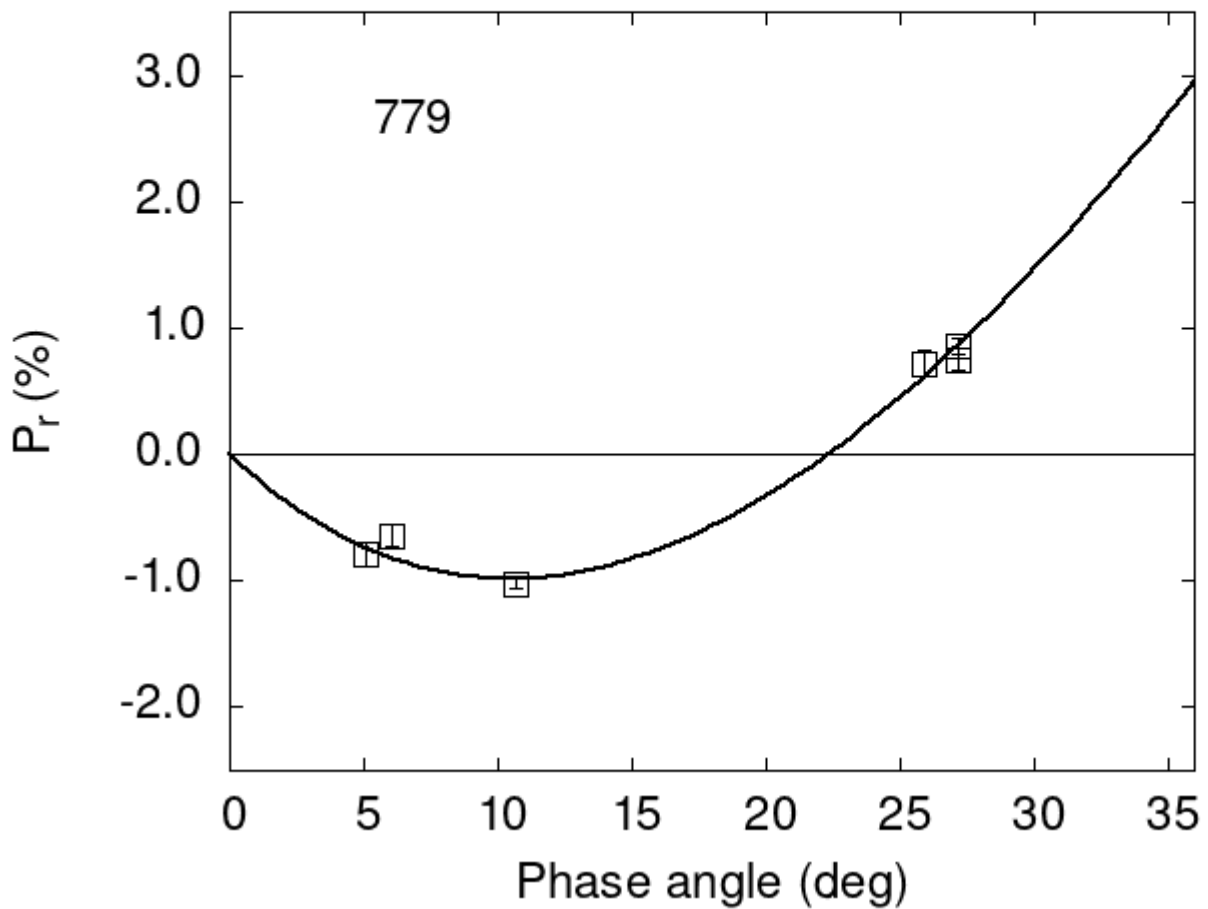


Catalogue of Asteroid Polarization Curves

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.

```
779 10.70 -1.02 0.04 R d
779 5.05 -0.79 0.09 V f
779 6.03 -0.64 0.08 V f
779 25.88 0.72 0.10 V f
779 27.16 0.75 0.09 V a
779 27.16 0.86 0.06 R 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
# 18.6319  0.6687 28.5068  0.8027  0.4528  0.0111
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
# 10.46 1.34 -0.986 0.271 22.37 0.26 0.1546 0.0155
```