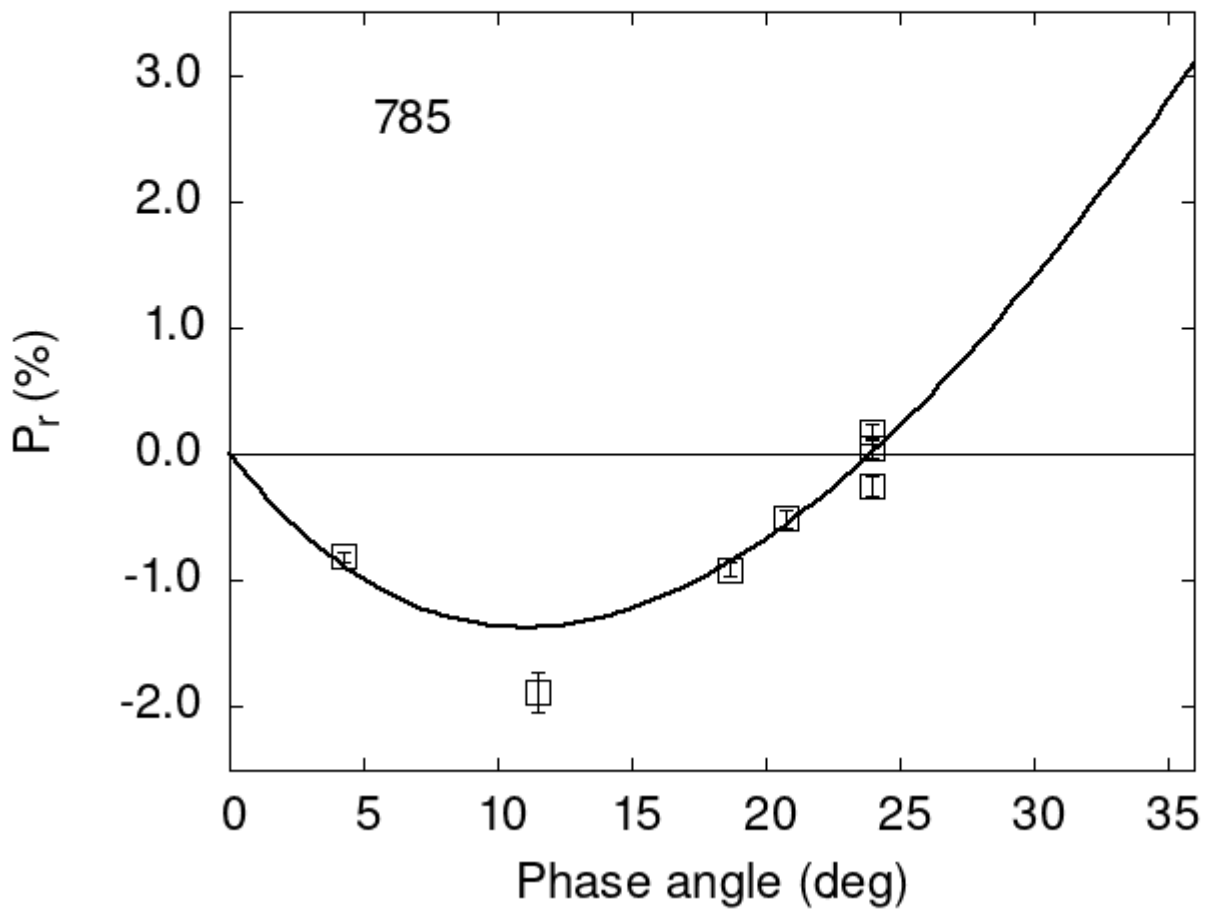


Catalogue of Asteroid Polarization Curves

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.

```
785 24.00 -0.25 0.08 R d
785 24.00 0.05 0.08 V d
785 24.00 0.18 0.06 R d
785 4.23 -0.81 0.04 V a
785 18.70 -0.91 0.05 V a
785 11.50 -1.88 0.16 V a
```

785 20.80 -0.51 0.07 V h

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
# 19.1409  0.6746  25.2741  0.7524  0.4895  0.0131
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
# 11.03  1.20 -1.370  0.322 23.92  0.20 0.1956 0.0167
```