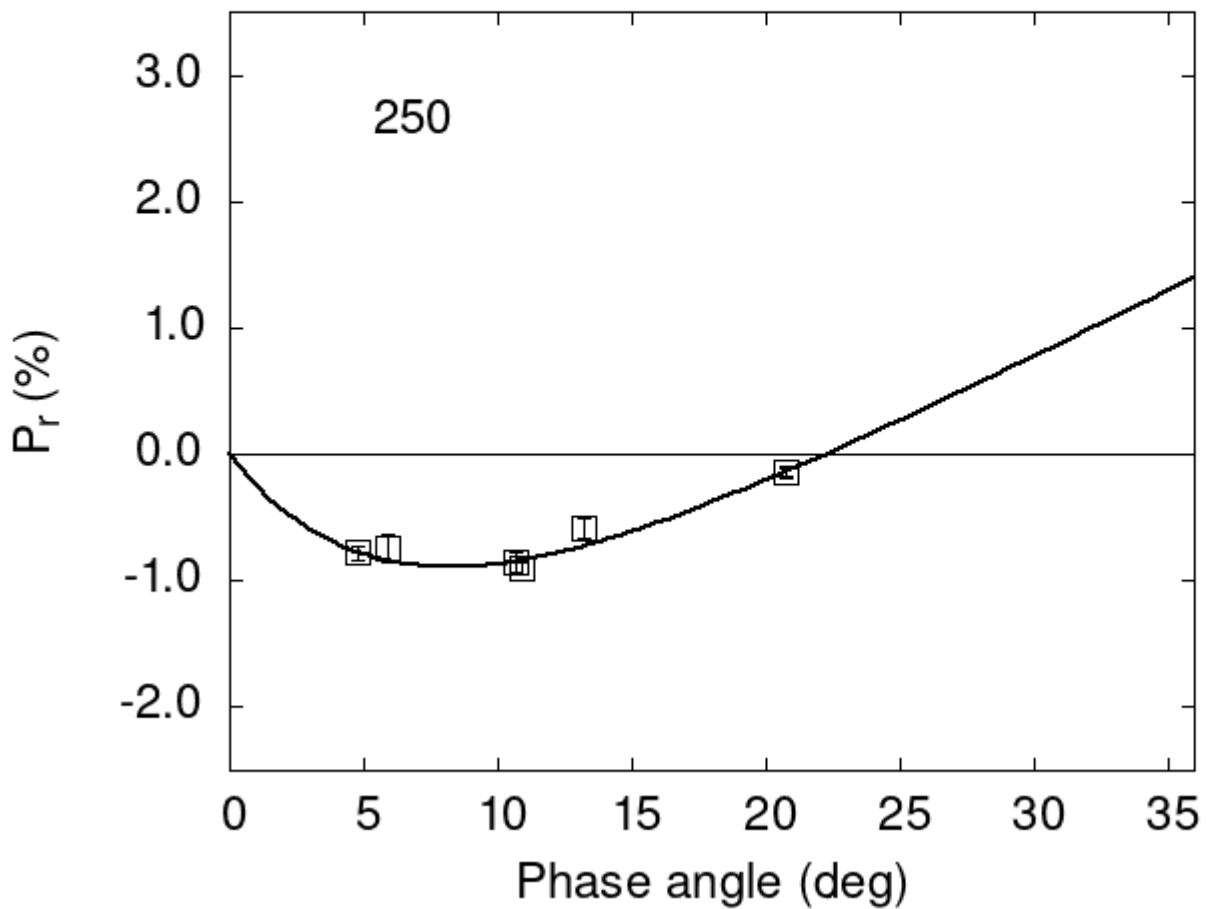


Catalogue of Asteroid Polarization Curves

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.

250	20.80	-0.14	0.05	V	d
250	20.80	-0.14	0.03	R	d
250	10.70	-0.85	0.08	V	a
250	10.90	-0.90	0.05	V	a
250	4.80	-0.78	0.06	V	a
250	13.20	-0.59	0.08	V	a

250 5.90 -0.74 0.11 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
#      2.4644    0.3652    6.4897    1.0746    0.1070    0.0150
#
#      Phmin    err    Pmin      err    Ph0      err    k      err
#      8.22    1.35 -0.890    0.324  22.28    0.42  0.0948  0.0159
```