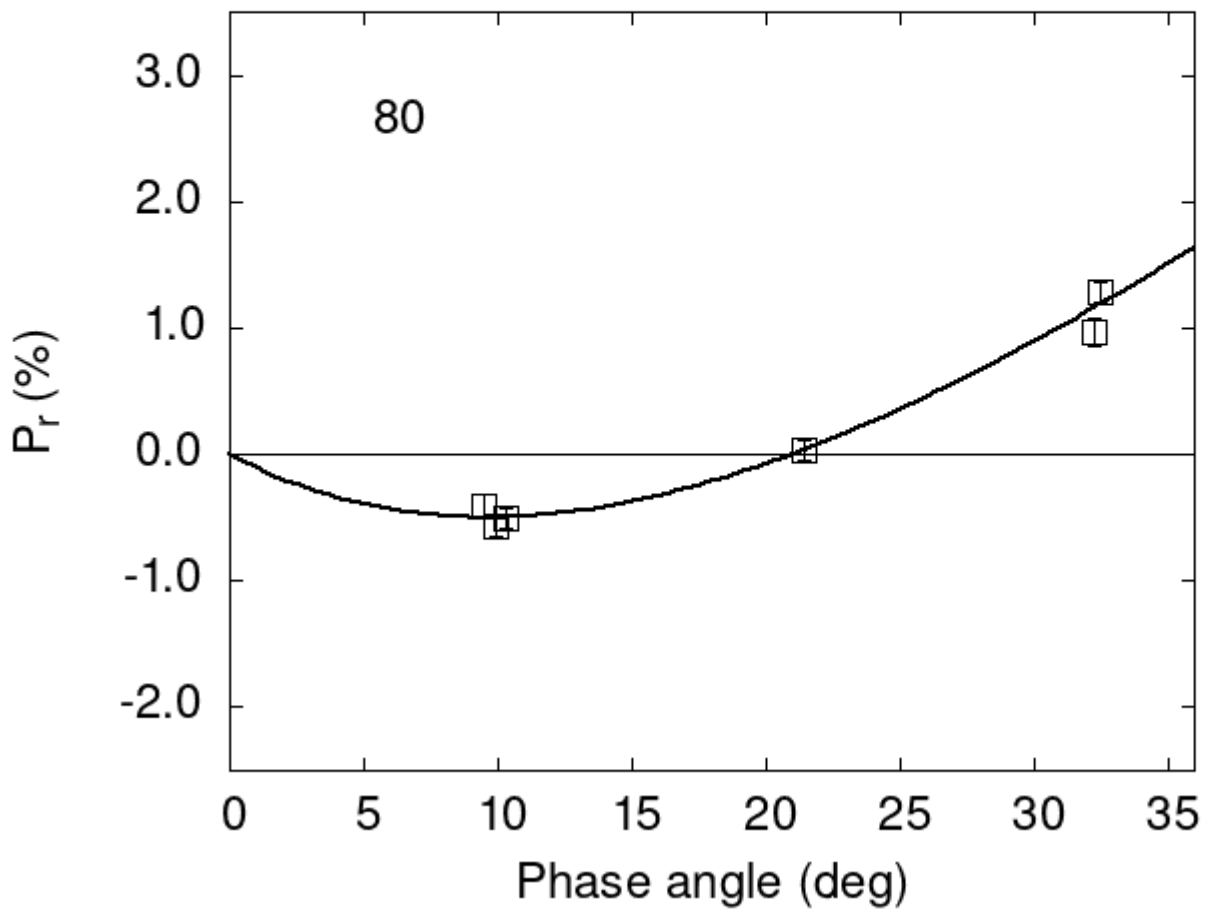


Catalogue of Asteroid Polarization Curves

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.

80	9.50	-0.41	0.09	V	f
80	9.96	-0.57	0.08	V	f
80	10.29	-0.50	0.08	V	f
80	21.45	0.04	0.08	V	f
80	32.48	1.28	0.08	V	f
80	32.30	0.97	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
#      5.6432    0.3586    19.3737    1.3838     0.1777    0.0064
#
#      Phmin    err    Pmin     err    Ph0      err     k        err
#      9.58    1.58 -0.500    0.195  21.03    0.50  0.0793  0.0089
```