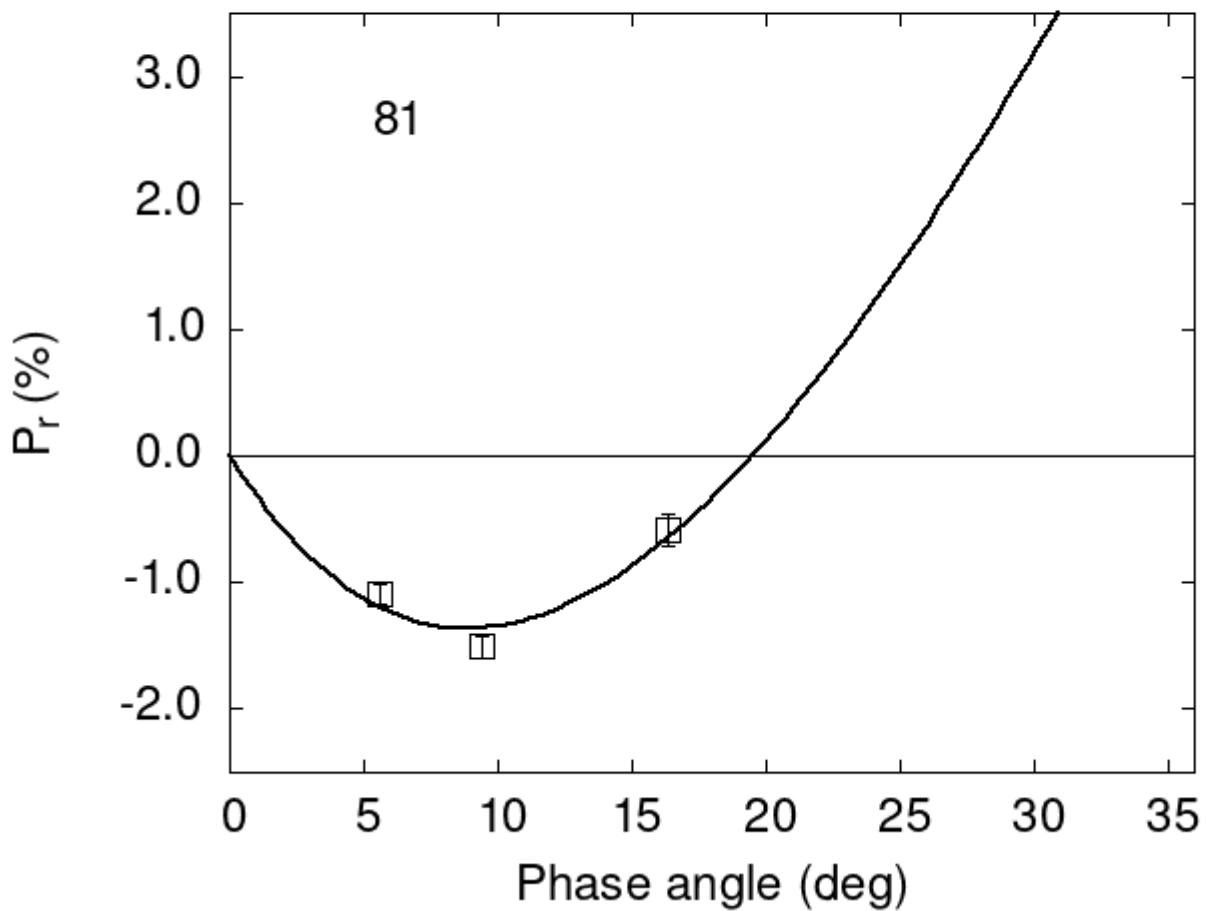


Catalogue of Asteroid Polarization Curves

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.

81	5.62	-1.09	0.08	V	f
81	9.44	-1.51	0.09	V	f
81	16.36	-0.58	0.13	V	f

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
# 14.9479  0.8364  17.6246  1.3059  0.5127  0.0293
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
#      8.87  1.55 -1.364  0.539 19.51 0.17 0.2324 0.0333
```