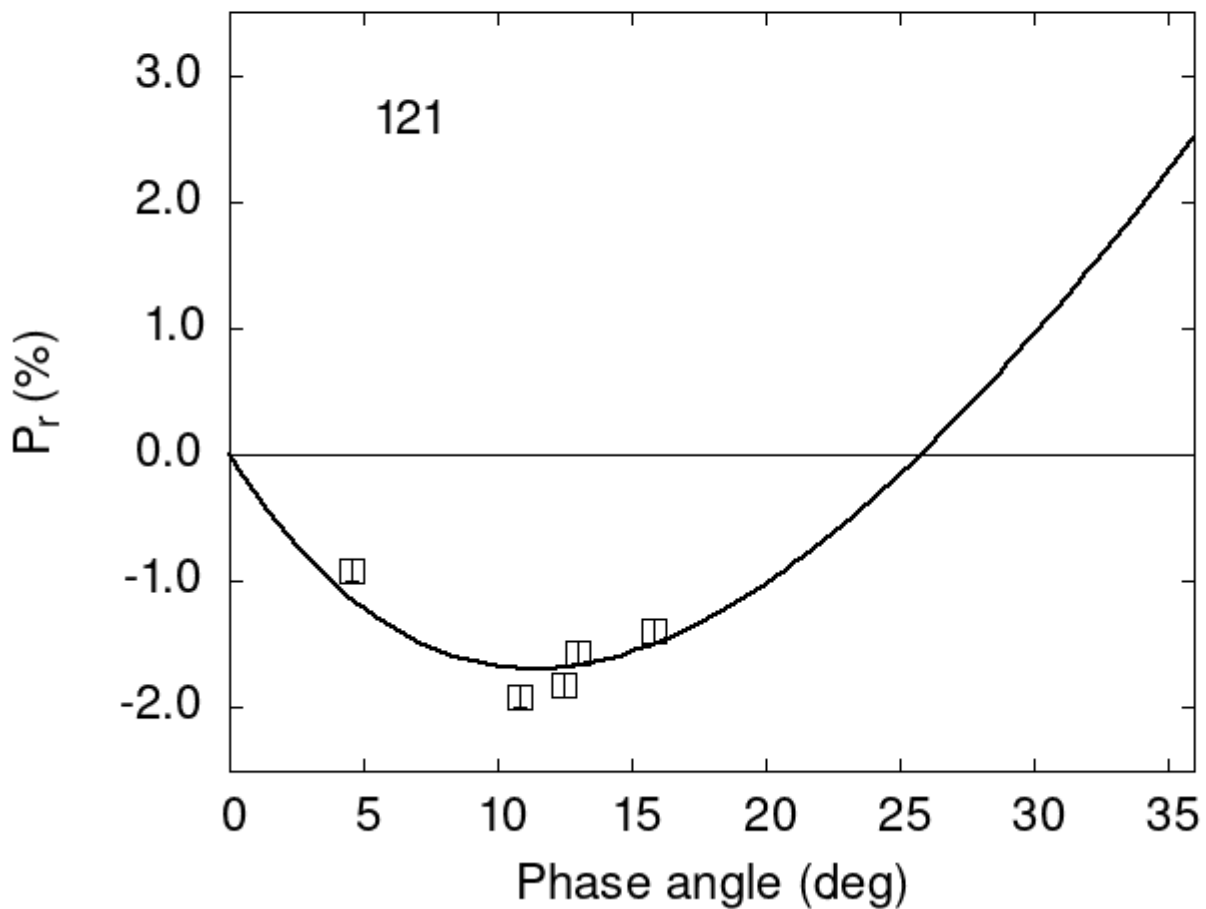


Catalogue of Asteroid Polarization Curves

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.

121	4.52	-0.91	0.09	V	f
121	10.85	-1.91	0.09	V	f
121	12.44	-1.82	0.09	V	f
121	13.02	-1.56	0.09	V	f
121	15.87	-1.39	0.09	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
# 12.4766  0.5757  17.7464  1.0696  0.3705  0.0204
#
#      Phmin  err  Pmin   err  Ph0    err   k      err
# 11.37  1.33 -1.689  0.439 25.80  0.19 0.2063 0.0223
```