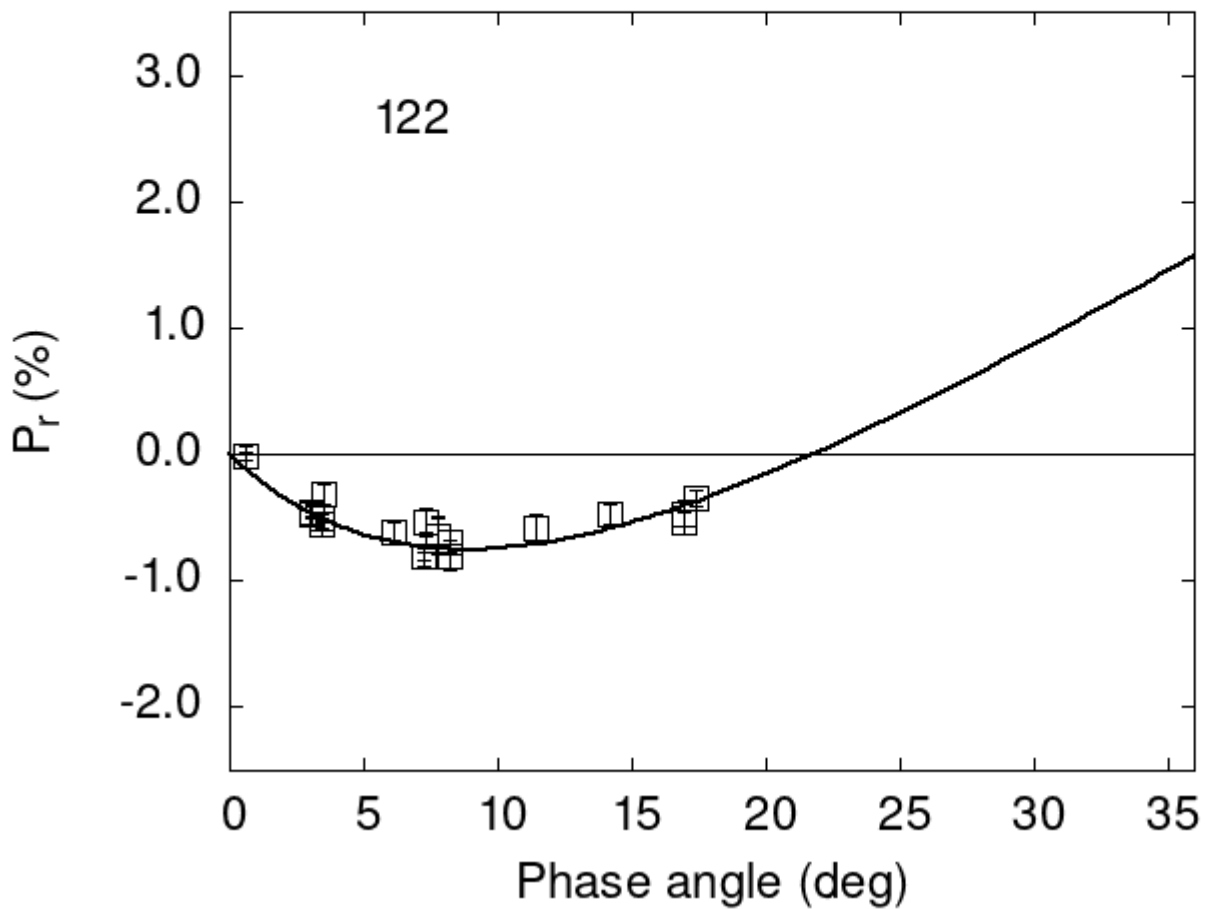


Catalogue of Asteroid Polarization Curves

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.

122	0.61	-0.02	0.09	V	f
122	3.07	-0.47	0.08	V	f
122	3.45	-0.55	0.09	V	f
122	6.16	-0.62	0.09	V	f
122	7.24	-0.80	0.09	V	f
122	7.79	-0.64	0.15	V	f

```

122 11.43 -0.59 0.12 V f
122 16.97 -0.47 0.10 V f
122 16.97 -0.54 0.09 V f
122 7.30 -0.53 0.09 V a
122 7.30 -0.53 0.11 R a
122 8.20 -0.69 0.09 V a
122 8.20 -0.80 0.12 R a
122 3.50 -0.31 0.08 V a
122 14.20 -0.48 0.08 V a
122 3.07 -0.45 0.04 V a
122 3.07 -0.48 0.02 V a
122 3.45 -0.51 0.03 V a
122 3.45 -0.55 0.03 V a
122 7.24 -0.80 0.03 V a
122 0.61 -0.02 0.03 V a
122 7.79 -0.64 0.13 V a
122 17.40 -0.35 0.06 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
#      3.0337    0.2817    9.2498    0.6582    0.1260    0.0109
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      8.85    1.18 -0.754  0.214  21.79  0.42  0.0949  0.0117

```