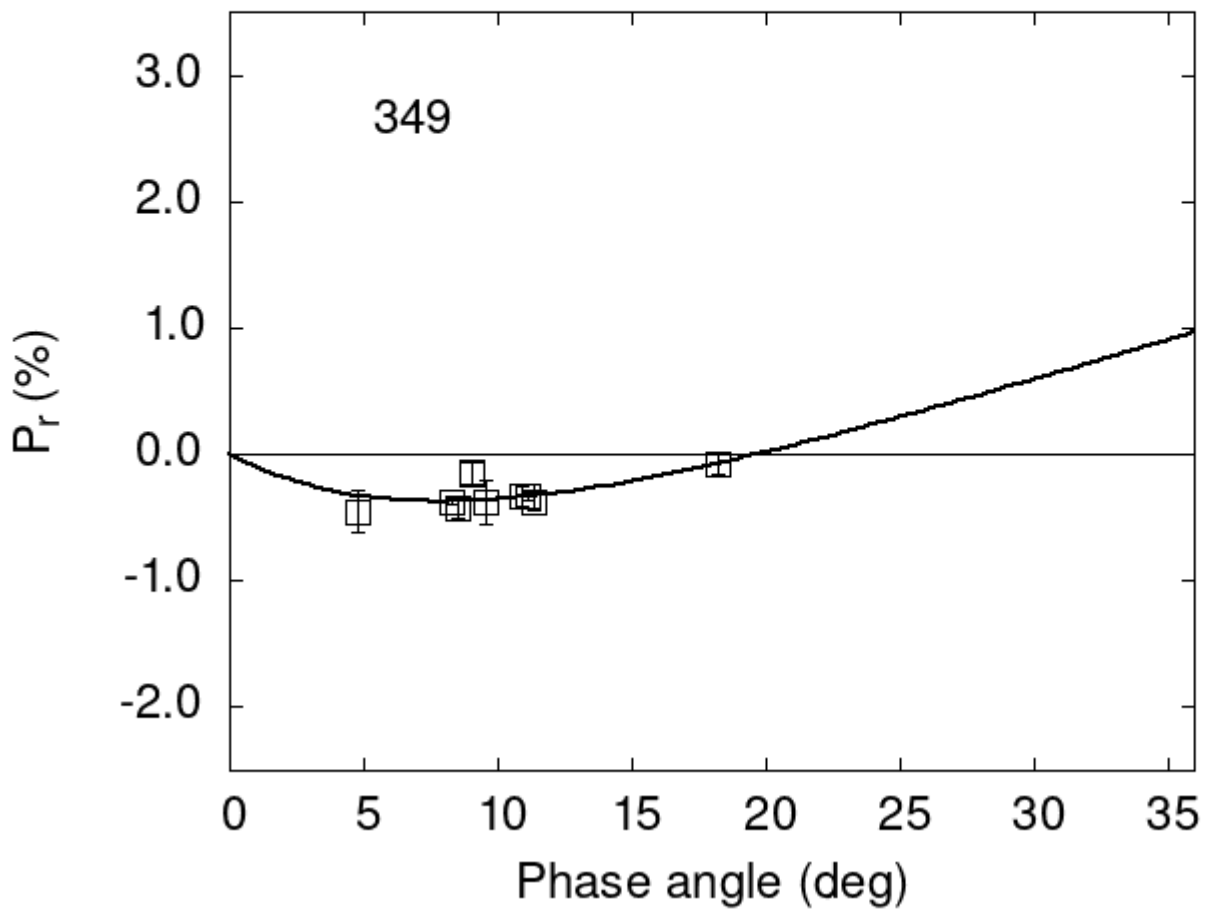


Catalogue of Asteroid Polarization Curves

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.

349	8.51	-0.42	0.08	V	f
349	10.92	-0.33	0.08	V	f
349	9.56	-0.38	0.18	G	a
349	11.33	-0.38	0.06	G	a
349	11.12	-0.33	0.03	G	a
349	9.00	-0.14	0.10	R	a

```

349  9.00 -0.15 0.10 V a
349  8.30 -0.38 0.02 V a
349 18.20 -0.08 0.08 V a
349  4.80 -0.45 0.16 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
#      1.4052    0.1570    7.9018    1.1006    0.0654    0.0074
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      7.90    1.26 -0.371  0.136 19.70  0.79 0.0507 0.0082

```