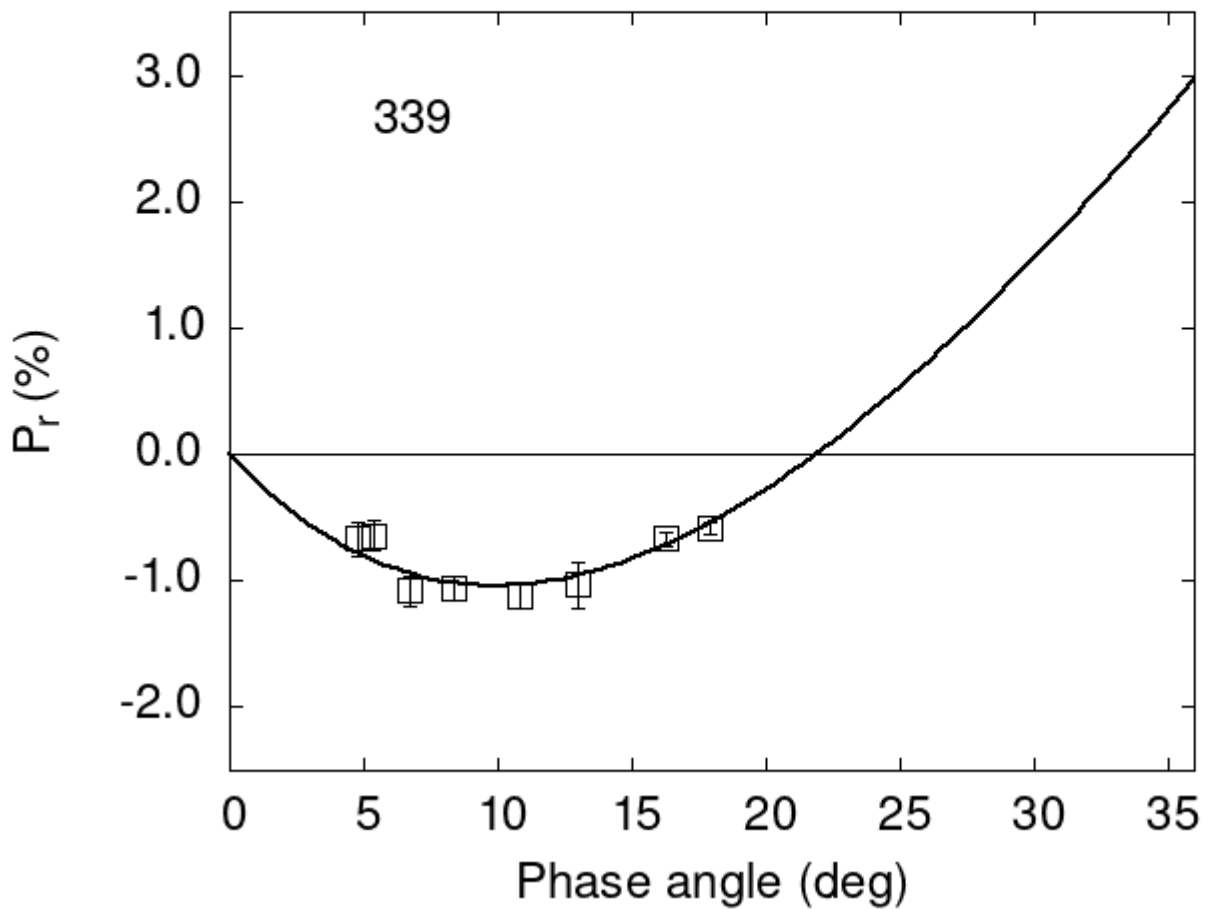


Catalogue of Asteroid Polarization Curves

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.

339	4.76	-0.67	0.13	V	f
339	5.36	-0.64	0.12	V	f
339	10.80	-1.12	0.10	V	f
339	12.99	-1.03	0.18	V	f
339	8.40	-1.06	0.09	V	a
339	16.30	-0.67	0.05	V	a

339 17.90 -0.58 0.05 V a
 339 6.70 -1.08 0.12 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
# 10.9053    0.5174    19.2292    1.1897    0.3384    0.0154
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      9.93    1.39 -1.038    0.332 21.91    0.25 0.1569 0.0177
```