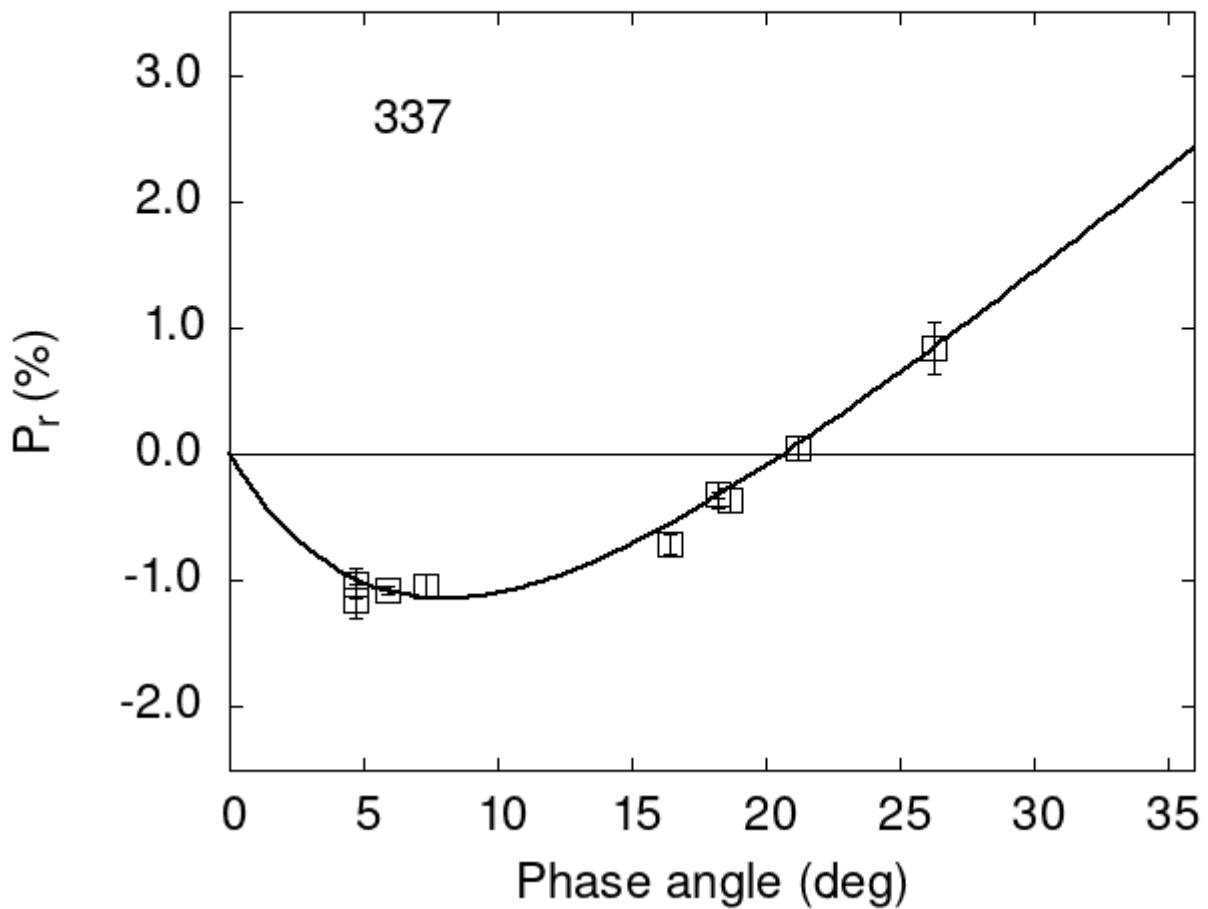


Catalogue of Asteroid Polarization Curves

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.

337	5.90	-1.08	0.03	R	d
337	7.31	-1.04	0.09	V	f
337	16.44	-0.71	0.08	V	f
337	18.22	-0.32	0.10	R	f
337	18.68	-0.36	0.09	V	f
337	21.21	0.05	0.09	V	f

```

337 26.27 0.84 0.20 V f
337 4.70 -1.02 0.12 V a
337 4.70 -1.16 0.13 R a
337 18.22 -0.32 0.02 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
#      3.7304    0.3756    7.1962    0.6470    0.1702    0.0155
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      8.02    0.98 -1.142    0.307 20.67    0.28 0.1409 0.0165

```