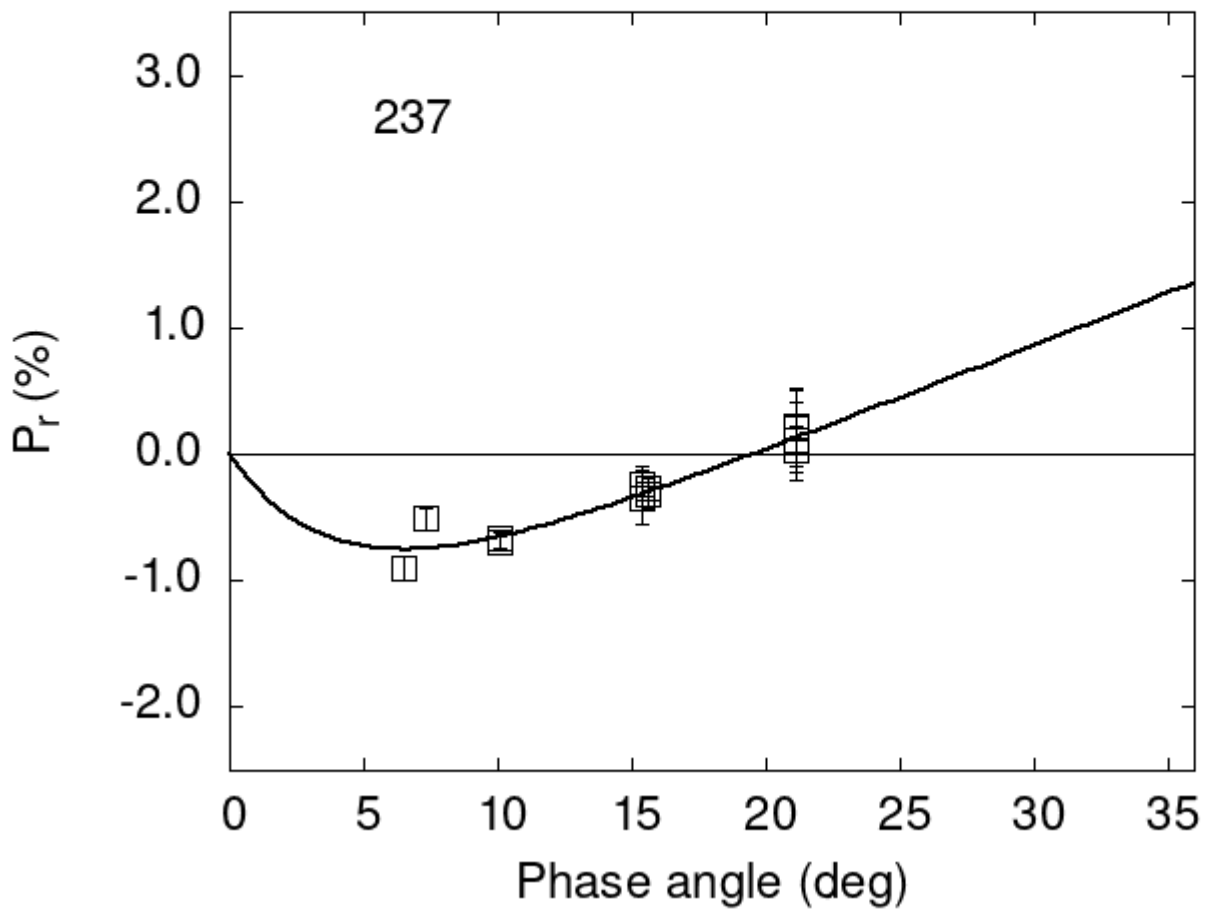


Catalogue of Asteroid Polarization Curves

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.

237	6.47	-0.90	0.10	V	f
237	10.12	-0.67	0.07	V	f
237	10.12	-0.69	0.07	R	f
237	15.41	-0.34	0.22	V	f
237	15.41	-0.23	0.13	R	f
237	15.64	-0.31	0.12	V	f

```

237 15.64 -0.27 0.10 R f
237 21.12 0.21 0.30 V f
237 21.12 0.04 0.18 R f
237 21.14 0.11 0.31 V f
237 21.14 0.12 0.18 R f
237 7.30 -0.51 0.09 V a
237 15.41 -0.34 0.22 V b
237 15.41 -0.23 0.13 R b
237 15.64 -0.31 0.12 V b
237 15.64 -0.27 0.10 R b
237 21.12 0.22 0.31 V b
237 21.12 0.04 0.18 R b
237 21.14 0.11 0.31 V b
237 21.14 0.12 0.18 R b
237 10.12 -0.67 0.07 V b
237 10.12 -0.69 0.07 R b

```

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
#      1.6389    0.2964    4.1925    1.2066    0.0831    0.0151
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      6.49    1.26 -0.751  0.297  19.52  0.50  0.0794  0.0156

```