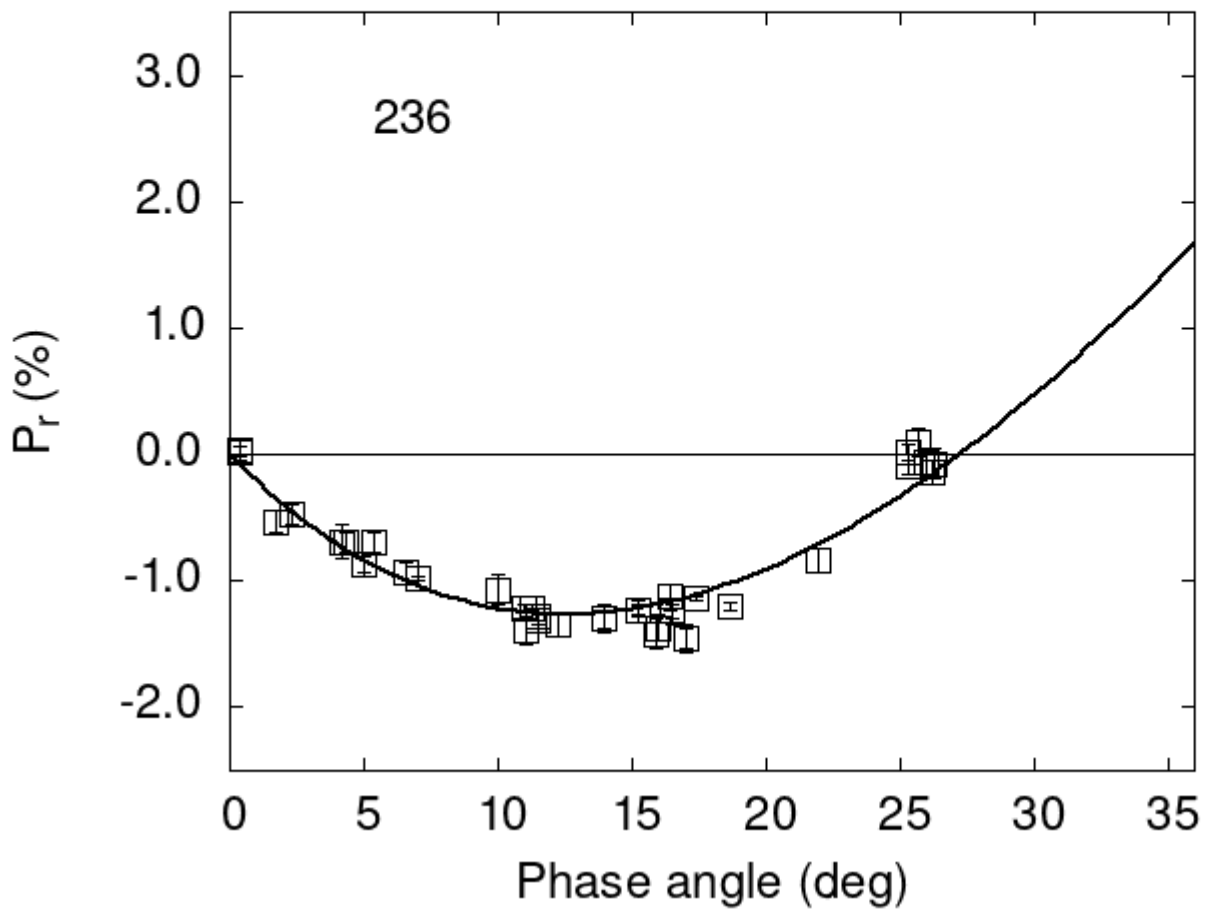


Catalogue of Asteroid Polarization Curves

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.

236	0.41	0.03	0.08	V	f
236	1.72	-0.53	0.09	V	f
236	2.34	-0.48	0.08	V	f
236	4.16	-0.69	0.13	V	f
236	4.30	-0.69	0.08	V	f
236	5.02	-0.87	0.10	V	f

236 5.35 -0.69 0.08 V f
 236 6.59 -0.94 0.09 V f
 236 9.98 -1.08 0.13 V f
 236 11.02 -1.39 0.11 V f
 236 11.50 -1.31 0.09 V f
 236 12.22 -1.35 0.09 V f
 236 13.93 -1.30 0.11 V f
 236 15.26 -1.24 0.09 V f
 236 15.88 -1.42 0.12 V f
 236 16.00 -1.37 0.10 V f
 236 16.40 -1.13 0.11 V f
 236 16.52 -1.24 0.10 V f
 236 17.05 -1.45 0.11 V f
 236 21.96 -0.84 0.09 V f
 236 25.69 0.09 0.11 V f
 236 25.97 -0.06 0.11 V f
 236 26.23 -0.14 0.10 V f
 236 26.29 -0.07 0.12 V f
 236 18.70 -1.20 0.03 V a
 236 11.30 -1.21 0.02 V a
 236 11.00 -1.21 0.02 V a
 236 7.00 -0.98 0.02 V a
 236 17.40 -1.14 0.02 V a
 236 25.30 -0.10 0.06 V a
 236 25.30 0.02 0.06 V a
 236 11.50 -1.28 0.06 V a
 236 11.50 -1.31 0.04 V a
 236 0.41 0.02 0.04 V a
 236 0.41 0.03 0.03 V a
 236 15.26 -1.23 0.04 V a
 236 15.26 -1.24 0.04 V a
 236 5.02 -0.87 0.06 V a
 236 9.98 -1.08 0.10 V a
 236 13.93 -1.30 0.07 V a
 236 16.52 -1.24 0.06 V a
 236 17.05 -1.45 0.08 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

```
# 17.0722  0.3995 28.1578  0.4453  0.3883  0.0067
#
# Phmin  err  Pmin  err  Ph0  err  k  err
# 12.54  0.85 -1.266  0.183 27.26  0.25 0.1581 0.0086
```