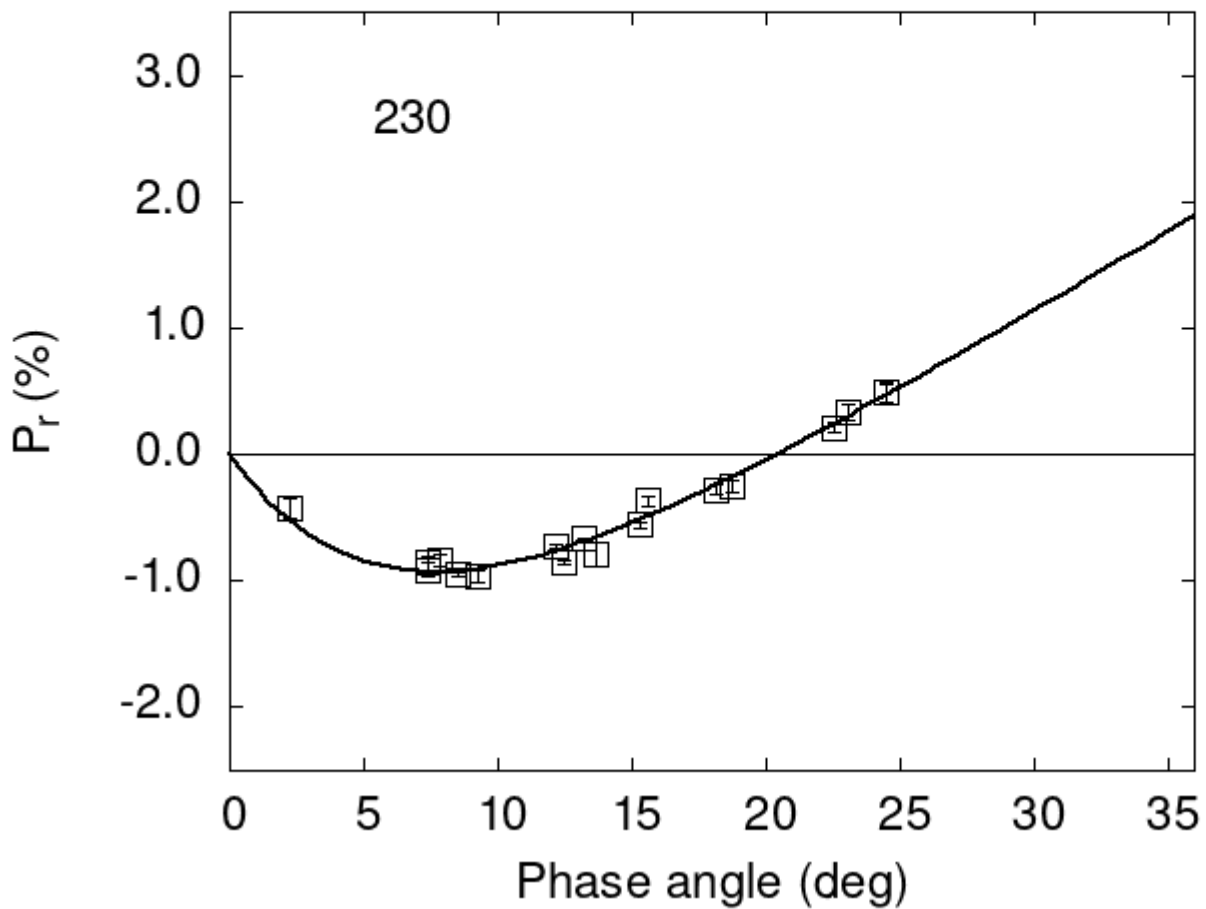


Catalogue of Asteroid Polarization Curves

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.

230	2.26	-0.43	0.08	V	f
230	13.64	-0.79	0.09	V	f
230	22.55	0.21	0.04	G	a
230	18.75	-0.25	0.05	G	a
230	18.15	-0.28	0.04	G	a
230	8.50	-0.95	0.02	G	a

```

230 7.81 -0.84 0.05 G a
230 9.27 -0.96 0.05 G a
230 23.10 0.33 0.06 G a
230 7.40 -0.86 0.06 V a
230 7.40 -0.91 0.05 R a
230 12.20 -0.73 0.02 V a
230 12.50 -0.85 0.02 V a
230 13.20 -0.67 0.01 V a
230 15.60 -0.37 0.04 V a
230 15.30 -0.56 0.03 V a
230 24.50 0.49 0.08 V a
230 24.50 0.49 0.07 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
#      2.7083    0.1942    6.3217    0.5427    0.1272    0.0079
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      7.68    0.61 -0.928    0.171 20.44    0.36 0.1103 0.0087

```