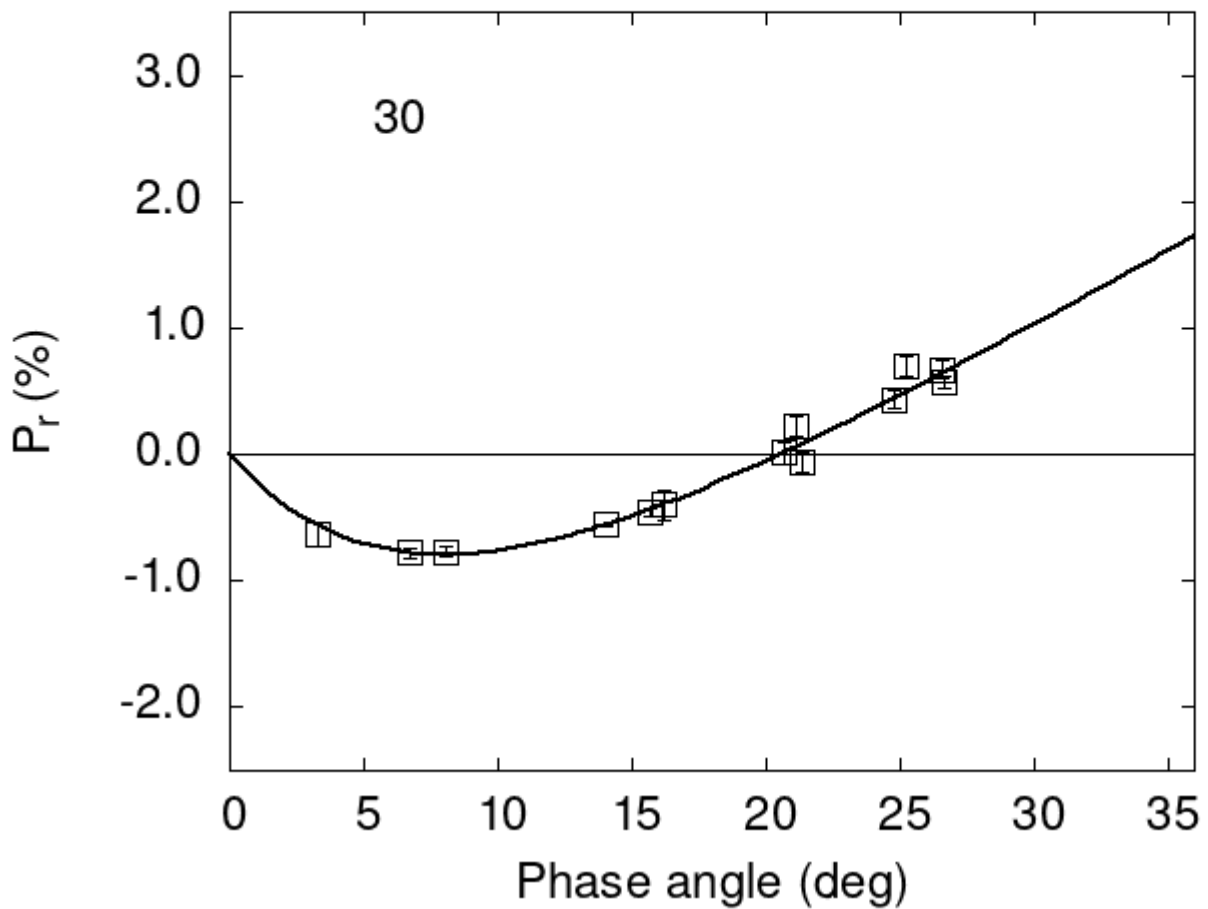


Catalogue of Asteroid Polarization Curves

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.

30	3.31	-0.63	0.09	V	f
30	16.19	-0.40	0.12	V	f
30	21.16	0.23	0.08	V	f
30	21.37	-0.06	0.08	V	f
30	6.70	-0.78	0.04	G	a
30	8.10	-0.77	0.04	G	a

```

30 14.05 -0.56 0.01 G a
30 15.72 -0.46 0.03 G a
30 24.81 0.43 0.07 G a
30 25.23 0.70 0.08 G a
30 26.62 0.67 0.07 G a
30 26.70 0.57 0.05 V a
30 20.70 0.01 0.08 V h

```

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
#      2.6414    0.2615    7.2991    0.9187    0.1207    0.0089
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      8.02    0.90 -0.793    0.224 20.58    0.40 0.0991 0.0104

```