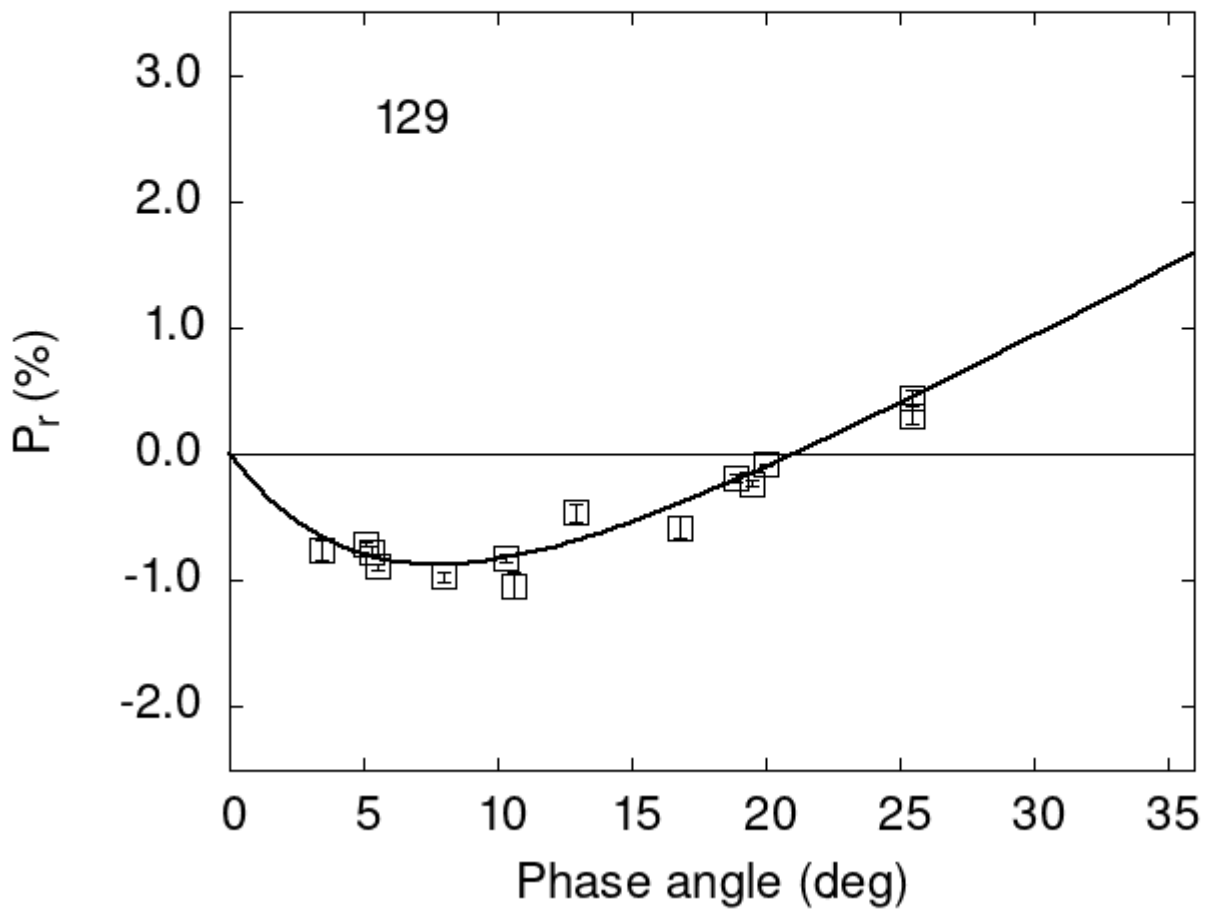


Catalogue of Asteroid Polarization Curves

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.

129	7.97	-0.97	0.04	R	d
129	3.44	-0.76	0.08	V	f
129	10.60	-1.04	0.10	V	f
129	16.79	-0.58	0.09	V	f
129	12.90	-0.46	0.07	V	f
129	10.30	-0.82	0.03	V	a

```

129 20.00 -0.08 0.01 V a
129 19.50 -0.23 0.02 V a
129 25.50 0.31 0.07 V a
129 25.50 0.45 0.06 V a
129 18.90 -0.19 0.03 V a
129 5.50 -0.89 0.02 V a
129 5.30 -0.77 0.04 V a
129 5.10 -0.71 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
#      2.4168    0.2489    6.1419    0.6512    0.1110    0.0103
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      7.77    0.87 -0.872    0.216 21.05    0.41 0.0983 0.0108

```