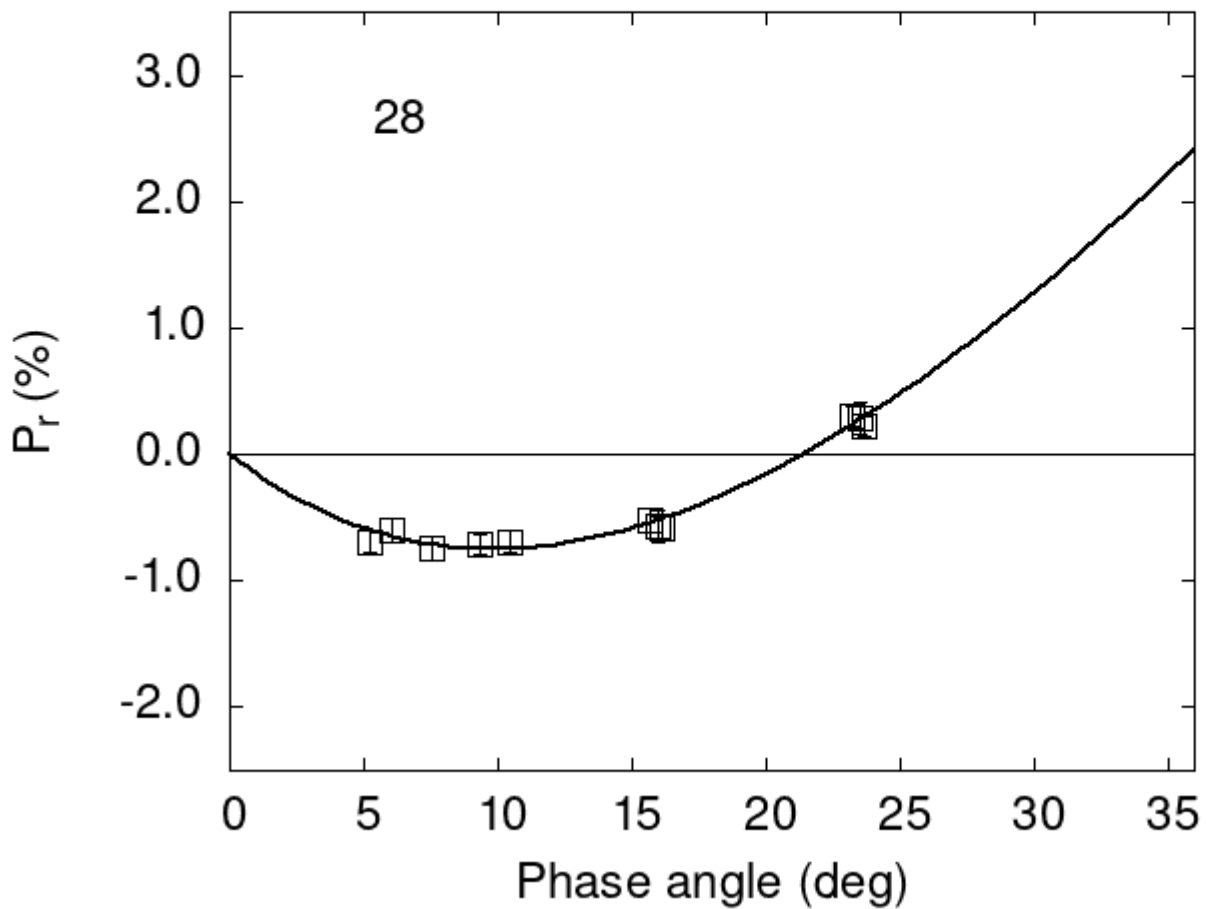


Catalogue of Asteroid Polarization Curves

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.

28	5.23	-0.69	0.09	V	f
28	6.05	-0.60	0.10	V	f
28	7.51	-0.74	0.10	V	f
28	9.35	-0.71	0.08	V	f
28	10.45	-0.69	0.09	V	f
28	15.65	-0.52	0.09	V	f

```

28 15.98 -0.57 0.13 V f
28 16.15 -0.58 0.09 V f
28 23.21 0.30 0.08 V f
28 23.55 0.29 0.13 V f
28 23.71 0.23 0.08 V f

```

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
#      9.8451     0.3299    21.7305     0.9456     0.2881     0.0096
#
#      Phmin    err   Pmin     err   Ph0     err    k       err
#      9.83    1.15 -0.750   0.196  21.41   0.34  0.1190  0.0111

```