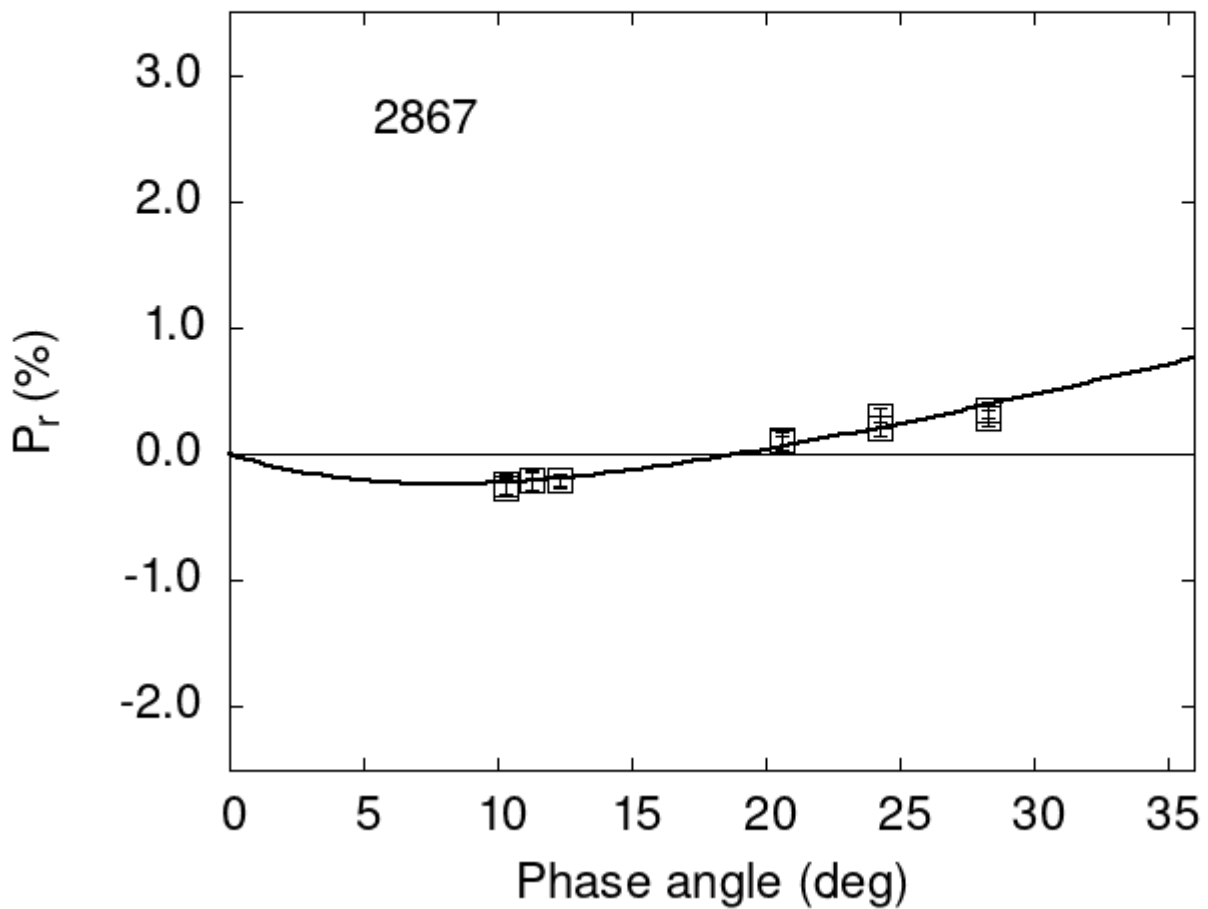


Catalogue of Asteroid Polarization Curves

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.

2867	28.30	0.29	0.06	R	a
2867	28.30	0.35	0.07	V	a
2867	24.30	0.20	0.05	R	a
2867	24.30	0.31	0.05	V	a
2867	20.60	0.09	0.06	R	a
2867	20.60	0.12	0.06	V	a

```

2867 12.30 -0.21 0.05 R a
2867 12.30 -0.20 0.05 V a
2867 11.30 -0.21 0.07 R a
2867 11.30 -0.20 0.08 V a
2867 10.30 -0.26 0.07 R a
2867 10.30 -0.24 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
#      1.1400    0.1749    9.4400    1.7303    0.0520    0.0054
#
#      Phmin    err   Pmin    err   Ph0    err   k      err
#      7.95    1.76 -0.236  0.132 18.99  1.12 0.0358 0.0066

```