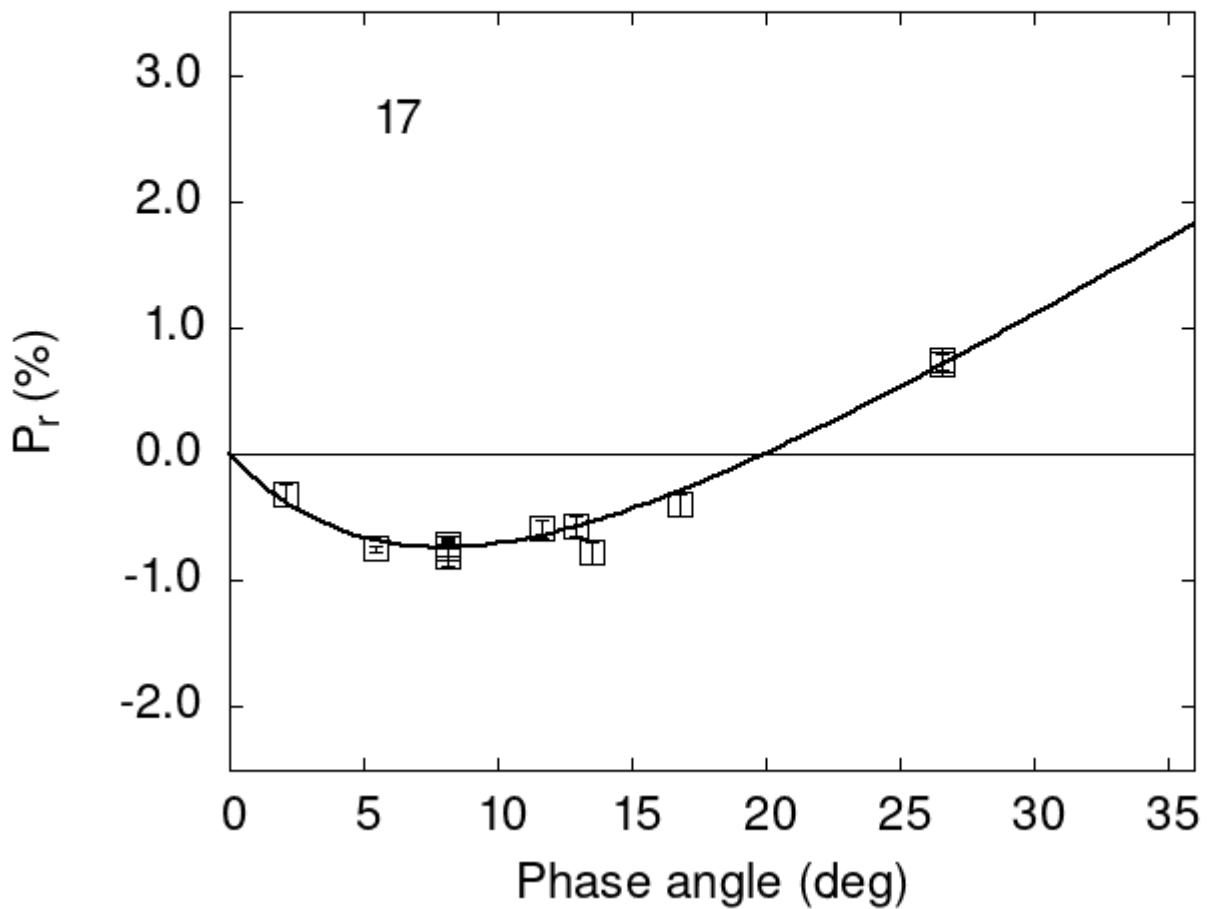


Catalogue of Asteroid Polarization Curves

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.

17	2.11	-0.32	0.09	V	f
17	8.14	-0.80	0.08	V	f
17	8.14	-0.75	0.08	R	f
17	12.93	-0.57	0.08	V	f
17	13.50	-0.78	0.09	V	f
17	16.78	-0.40	0.09	V	f

```

17 11.64 -0.59 0.07 G a
17  5.46 -0.75 0.03 G a
17 26.60  0.71 0.09 V a
17 26.60  0.75 0.09 R a
17  8.14 -0.71 0.03 V a
17  8.14 -0.71 0.02 R 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
#      2.6947      0.5138      7.7524      1.4817      0.1246      0.0168
#
#      Phmin      err      Pmin      err      Ph0      err      k      err
#      7.95      1.81 -0.738      0.403      19.99      0.41 0.0982 0.0193

```