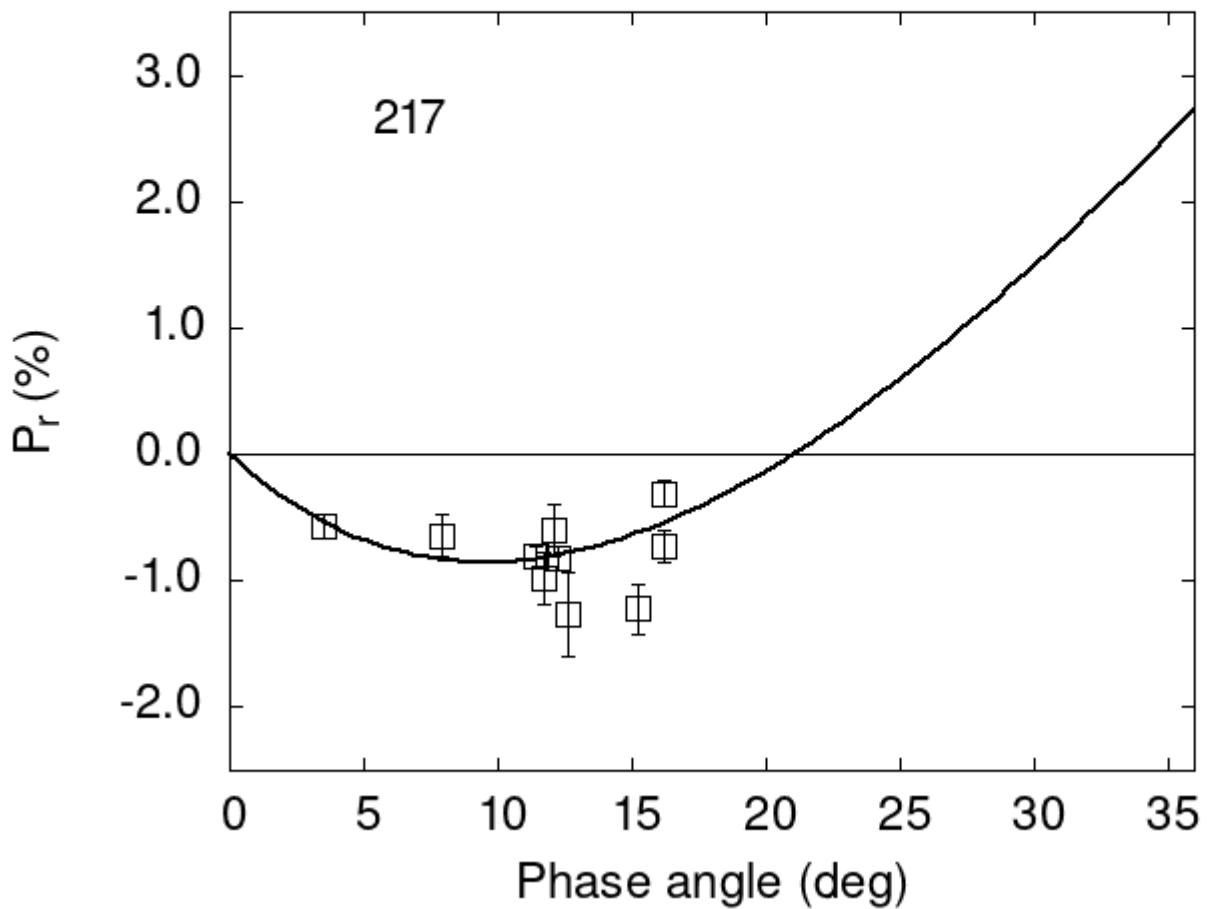


Catalogue of Asteroid Polarization Curves

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.

217	3.48	-0.57	0.09	V	f
217	11.46	-0.81	0.09	V	f
217	12.24	-0.82	0.10	V	f
217	16.18	-0.31	0.10	V	f
217	16.20	-0.73	0.13	V	a
217	15.20	-1.22	0.20	V	a

217 12.60 -1.26 0.33 V a
 217 12.10 -0.60 0.21 V a
 217 11.70 -0.98 0.20 V a
 217 7.90 -0.64 0.16 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
#      8.8039    0.5045    18.2431    1.9108     0.2862    0.0221
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      9.53    1.98 -0.855    0.410  21.06    0.30  0.1341  0.0239
```