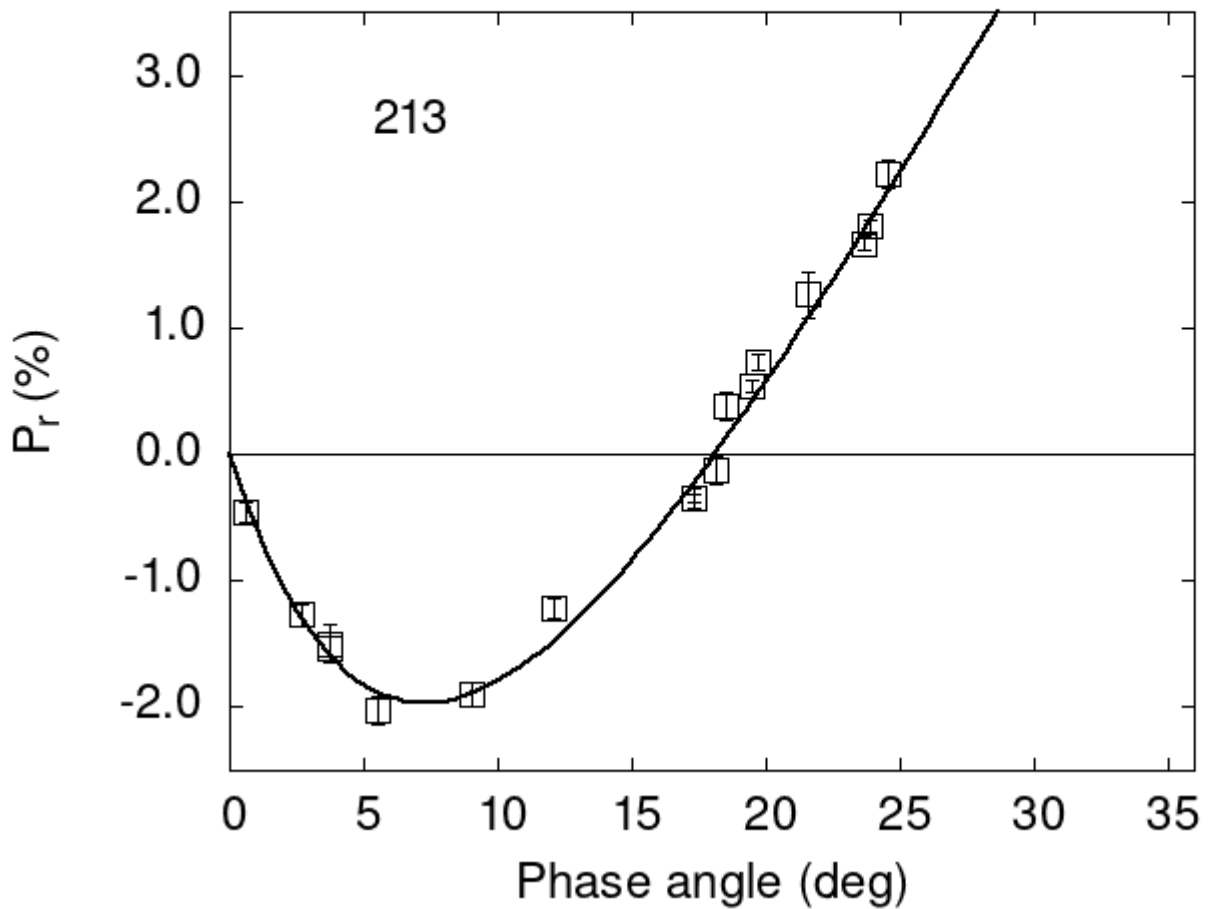


Catalogue of Asteroid Polarization Curves

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.

213	0.58	-0.46	0.08	V	f
213	2.67	-1.27	0.09	V	f
213	5.50	-2.03	0.11	V	f
213	17.30	-0.35	0.08	V	f
213	18.17	-0.13	0.11	V	f
213	18.51	0.38	0.11	V	f

```

213  3.73 -1.50 0.15 V f
213  3.73 -1.54 0.10 R f
213 12.10 -1.22 0.08 V a
213 19.70  0.73 0.06 V a
213 24.60  2.22 0.11 V a
213  9.00 -1.90 0.10 V a
213 19.50  0.54 0.05 V a
213 23.90  1.80 0.05 V a
213 23.70  1.67 0.06 V a
213 21.60  1.26 0.18 V a
213 17.30 -0.35 0.03 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
#      7.4394      0.4557      7.2587      0.4977      0.3766      0.0167
#
#      Phmin      err      Pmin      err      Ph0      err      k      err
#      7.27      0.55 -1.969      0.365 18.13      0.14 0.2922 0.0195

```