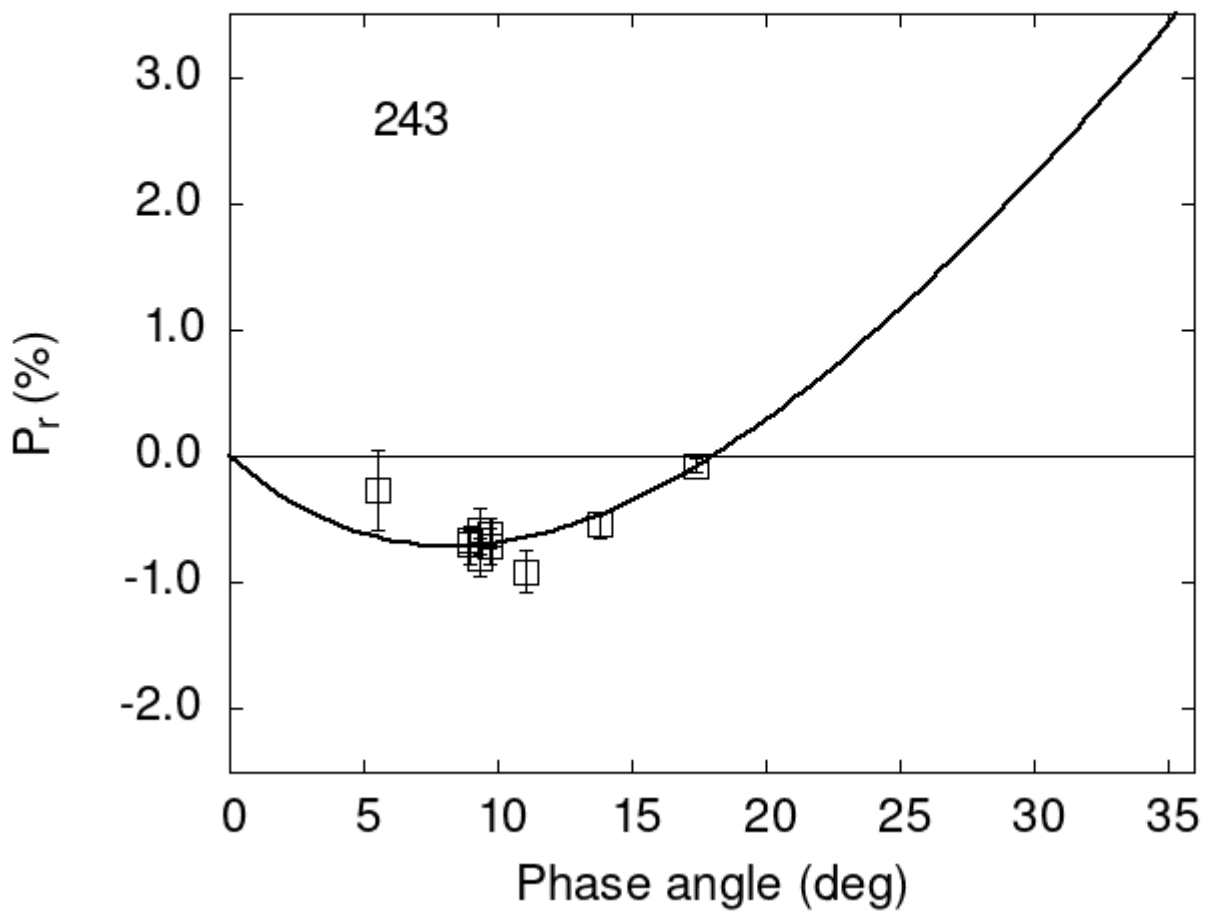


Catalogue of Asteroid Polarization Curves

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.

243	11.05	-0.91	0.16	V	f
243	9.73	-0.71	0.14	V	a
243	9.73	-0.61	0.12	R	a
243	9.36	-0.80	0.15	V	a
243	9.36	-0.59	0.18	R	a
243	8.98	-0.70	0.15	V	a

```

243  8.98 -0.67 0.09 R a
243 17.40 -0.07 0.05 V a
243  5.50 -0.27 0.32 V a
243 13.80 -0.54 0.10 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
#      9.3268    0.4842    18.2608    1.0703     0.3245     0.0156
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      8.28    1.42 -0.714  0.270 18.03  0.30 0.1342 0.0184

```