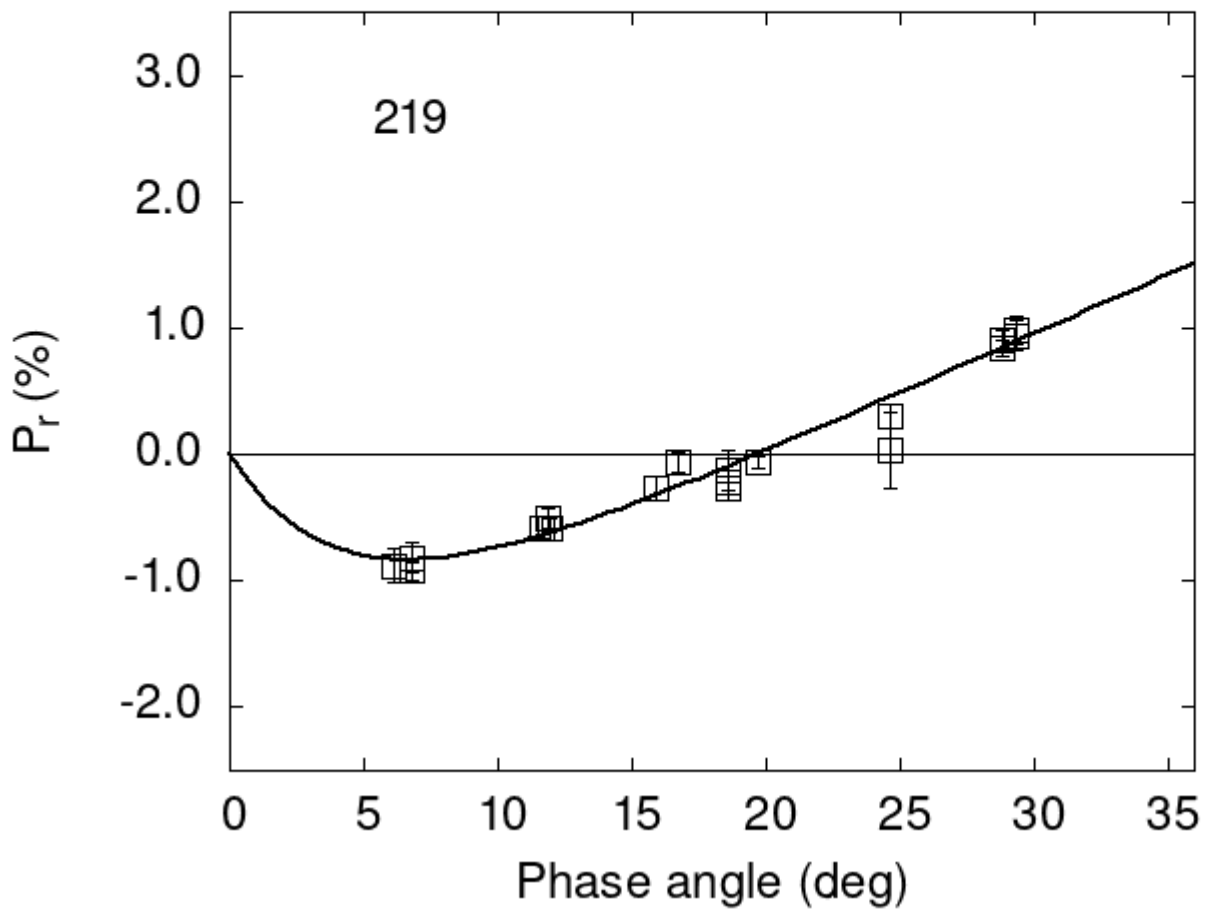


Catalogue of Asteroid Polarization Curves

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.

219	6.11	-0.88	0.13	V	f
219	11.63	-0.58	0.09	V	f
219	11.98	-0.59	0.09	V	f
219	18.59	-0.13	0.16	V	f
219	24.68	0.04	0.30	V	f
219	24.68	0.30	0.10	R	f

```

219 28.83 0.90 0.08 V f
219 28.83 0.84 0.06 R f
219 29.36 0.98 0.11 V f
219 29.36 0.94 0.12 R f
219 16.70 -0.06 0.08 V f
219 19.70 -0.06 0.05 V f
219 28.83 0.90 0.08 V a
219 28.83 0.84 0.06 R a
219 29.36 0.98 0.11 V a
219 29.36 0.94 0.12 R a
219 6.80 -0.82 0.12 V a
219 6.80 -0.92 0.07 R a
219 16.70 -0.06 0.08 V a
219 15.90 -0.27 0.09 V a
219 19.70 -0.06 0.05 V a
219 11.90 -0.50 0.08 V a
219 18.61 -0.22 0.09 V b
219 18.61 -0.27 0.09 R b
219 24.68 0.04 0.30 V b
219 24.68 0.30 0.10 R b

```

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
#      1.8716    0.1043    4.4132    0.6403    0.0939    0.0042
#
#      Phmin    err   Pmin    err   Ph0    err    k      err
#      6.65    0.45 -0.832  0.125 19.68  0.45 0.0890 0.0049

```