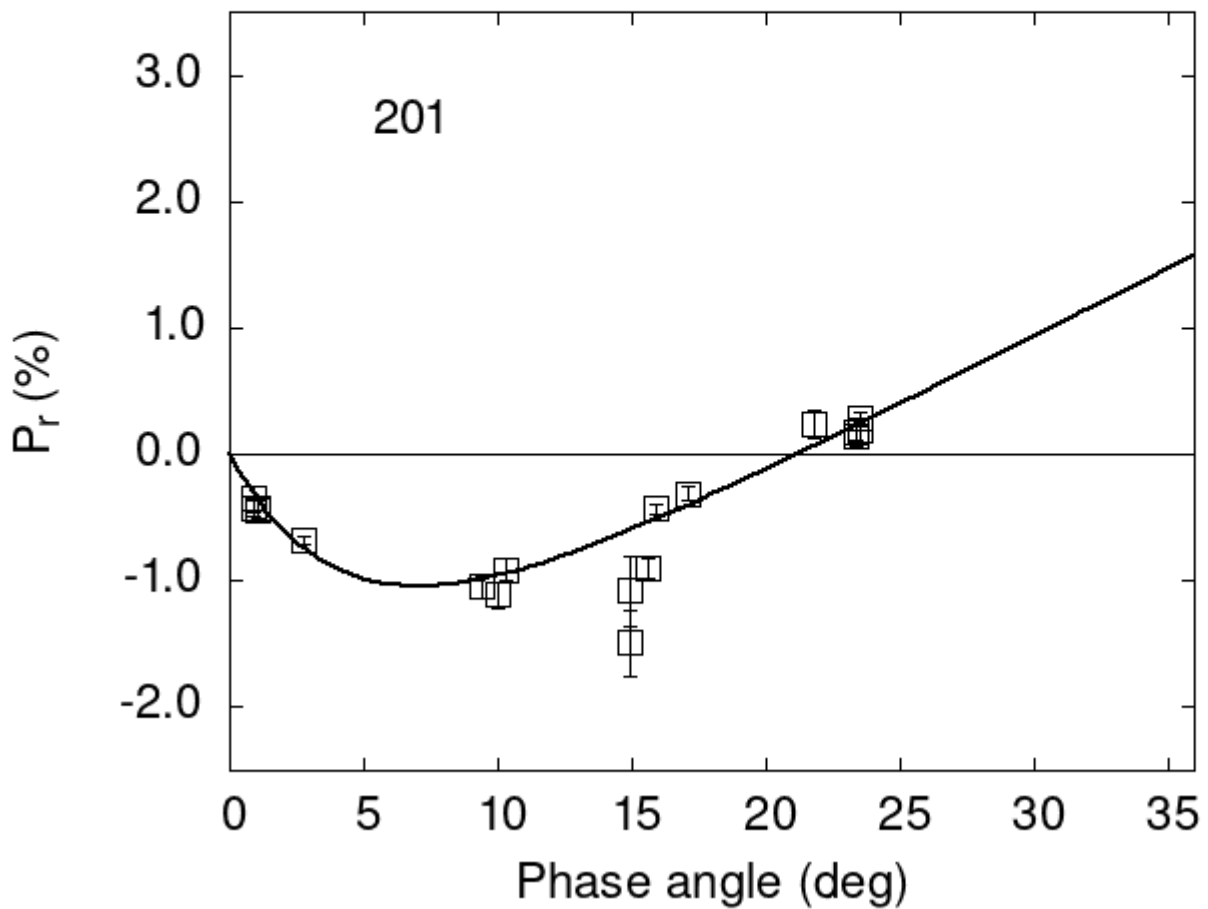


Catalogue of Asteroid Polarization Curves

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.

201	17.10	-0.31	0.06	V	d
201	9.43	-1.05	0.09	V	f
201	15.63	-0.90	0.08	V	f
201	23.35	0.15	0.09	V	f
201	23.55	0.19	0.10	V	f
201	0.90	-0.35	0.10	V	f

```

201  0.90 -0.43 0.06 R f
201  1.06 -0.43 0.07 V f
201  1.06 -0.42 0.09 R f
201 14.97 -1.49 0.26 V f
201 14.97 -1.08 0.28 R f
201 10.30 -0.91 0.09 V a
201 10.00 -1.11 0.10 V a
201  2.80 -0.68 0.03 V a
201 15.90 -0.43 0.04 V a
201 21.80  0.24 0.11 V a
201 23.55  0.28 0.06 V a
201 23.35  0.18 0.06 V a
201  0.92 -0.35 0.10 V b
201  0.92 -0.43 0.06 R b
201  1.06 -0.44 0.07 V b
201  1.06 -0.42 0.09 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
#      2.2976      0.1576      4.5969      0.3863      0.1074      0.0074
#
#      Phmin      err      Pmin      err      Ph0      err      k      err
#      7.07      0.49 -1.045      0.149 21.18      0.39 0.1024 0.0076

```