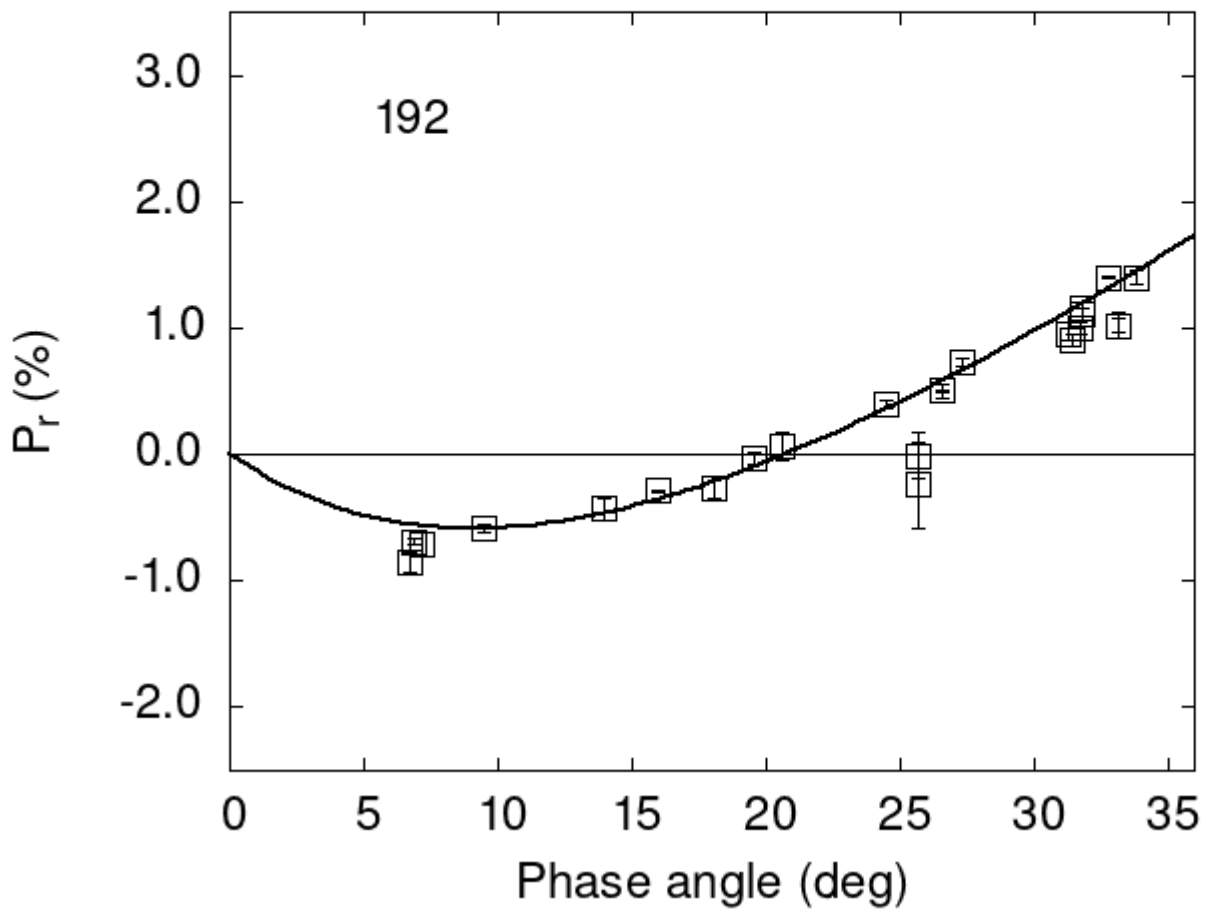


Catalogue of Asteroid Polarization Curves

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.

192	6.73	-0.85	0.08	V	f
192	7.17	-0.71	0.09	V	f
192	13.96	-0.43	0.09	V	f
192	18.08	-0.26	0.09	V	f
192	33.18	1.02	0.10	V	f
192	25.73	-0.24	0.34	V	f

```

192 25.73 -0.01 0.18 R f
192 31.80 1.11 0.05 R a
192 31.80 1.15 0.05 V a
192 31.71 1.00 0.05 V a
192 31.45 0.90 0.05 V a
192 31.32 0.95 0.05 R a
192 31.45 0.90 0.05 V a
192 33.87 1.40 0.05 G a
192 32.81 1.40 0.01 G a
192 24.51 0.40 0.03 G a
192 16.02 -0.29 0.01 G a
192 6.85 -0.69 0.02 G a
192 9.47 -0.59 0.03 G a
192 19.57 -0.03 0.04 G a
192 20.59 0.06 0.11 G a
192 27.37 0.73 0.03 G a
192 26.57 0.50 0.01 V a
192 26.57 0.50 0.06 R a
192 33.18 1.02 0.05 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
#      3.9547    0.2918    13.3505    0.9435     0.1502    0.0063
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      9.06    1.17 -0.587    0.182  20.75    0.46  0.0876  0.0082

```