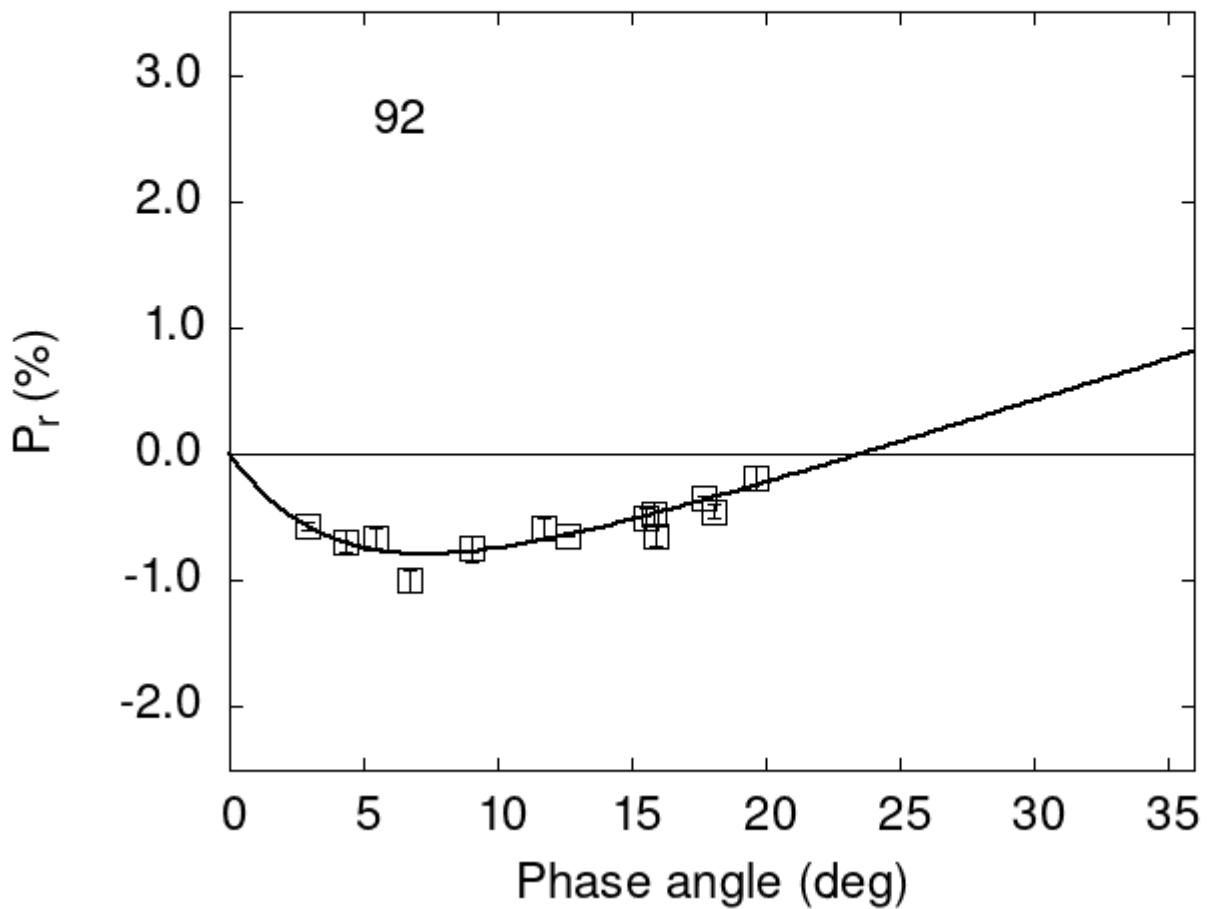


Catalogue of Asteroid Polarization Curves

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.

92	4.34	-0.69	0.09	V	f
92	5.45	-0.66	0.08	V	f
92	6.71	-1.00	0.09	V	f
92	15.56	-0.51	0.09	V	f
92	15.83	-0.47	0.09	V	f
92	15.91	-0.64	0.09	V	f

```

92 19.68 -0.19 0.09 V f
92 18.10 -0.45 0.06 V a
92  2.90 -0.57 0.03 V a
92 12.60 -0.64 0.01 V a
92 17.70 -0.35 0.02 V a
92 11.70 -0.59 0.09 V a
92  9.00 -0.75 0.10 V h

```

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
#      1.5492    0.1192    4.2934    0.3926    0.0655    0.0069
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      7.32    0.62 -0.788    0.118 23.53    0.62 0.0640 0.0069

```