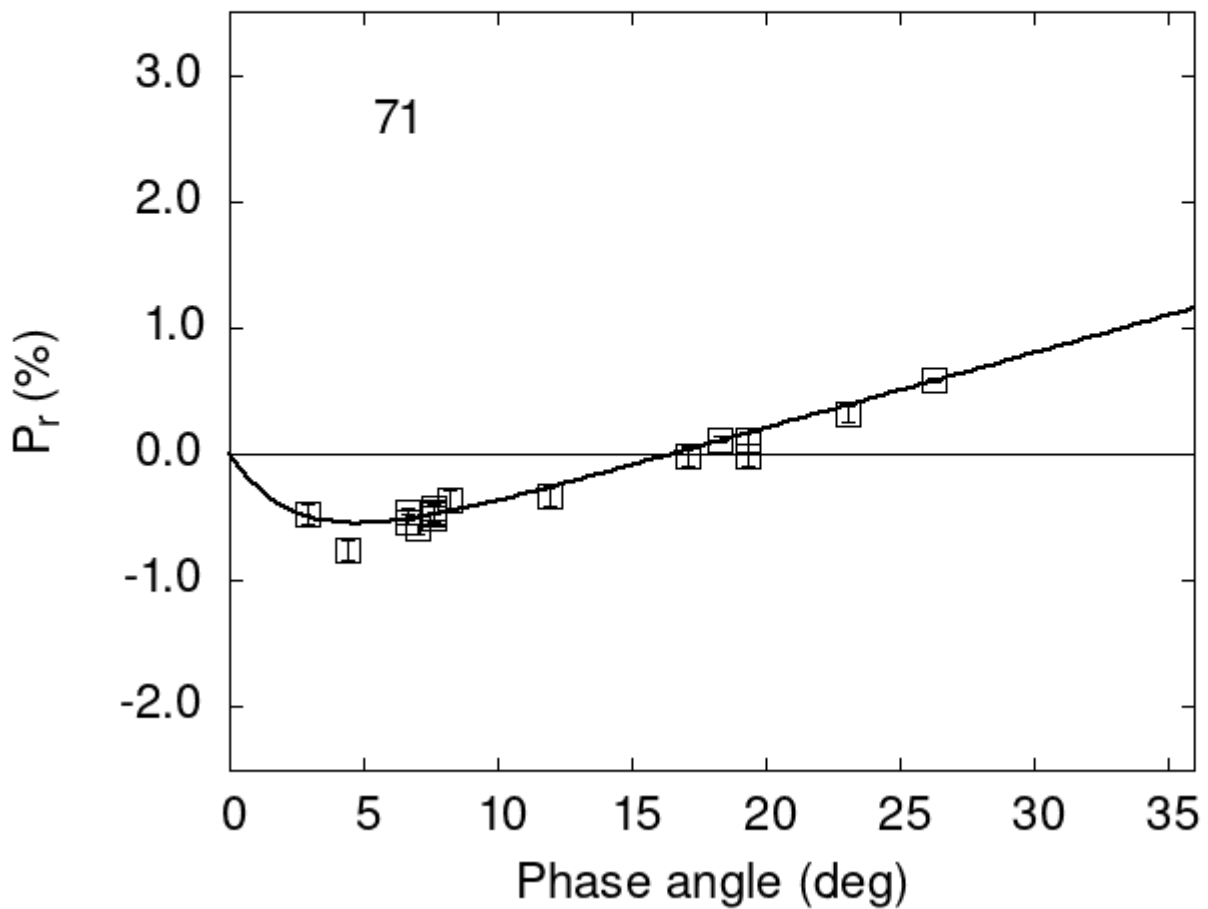


Catalogue of Asteroid Polarization Curves

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.

71	2.90	-0.47	0.08	V	f
71	4.43	-0.76	0.08	V	f
71	7.64	-0.48	0.08	V	f
71	7.64	-0.46	0.08	R	f
71	11.94	-0.33	0.08	V	f
71	17.09	-0.01	0.08	V	f

```

71 19.35 0.11 0.09 V f
71 19.35 -0.01 0.09 V f
71 7.03 -0.59 0.04 G a
71 8.20 -0.37 0.09 V a
71 18.30 0.12 0.03 V a
71 6.66 -0.54 0.02 V a
71 6.66 -0.45 0.02 R a
71 23.10 0.32 0.06 V a
71 26.30 0.59 0.02 V a
71 7.64 -0.50 0.03 V a
71 7.64 -0.42 0.05 R 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
#      0.9821    0.0736    2.5694    0.6990    0.0593    0.0032
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      4.79    0.65 -0.546  0.100 16.52  0.68 0.0587 0.0034

```