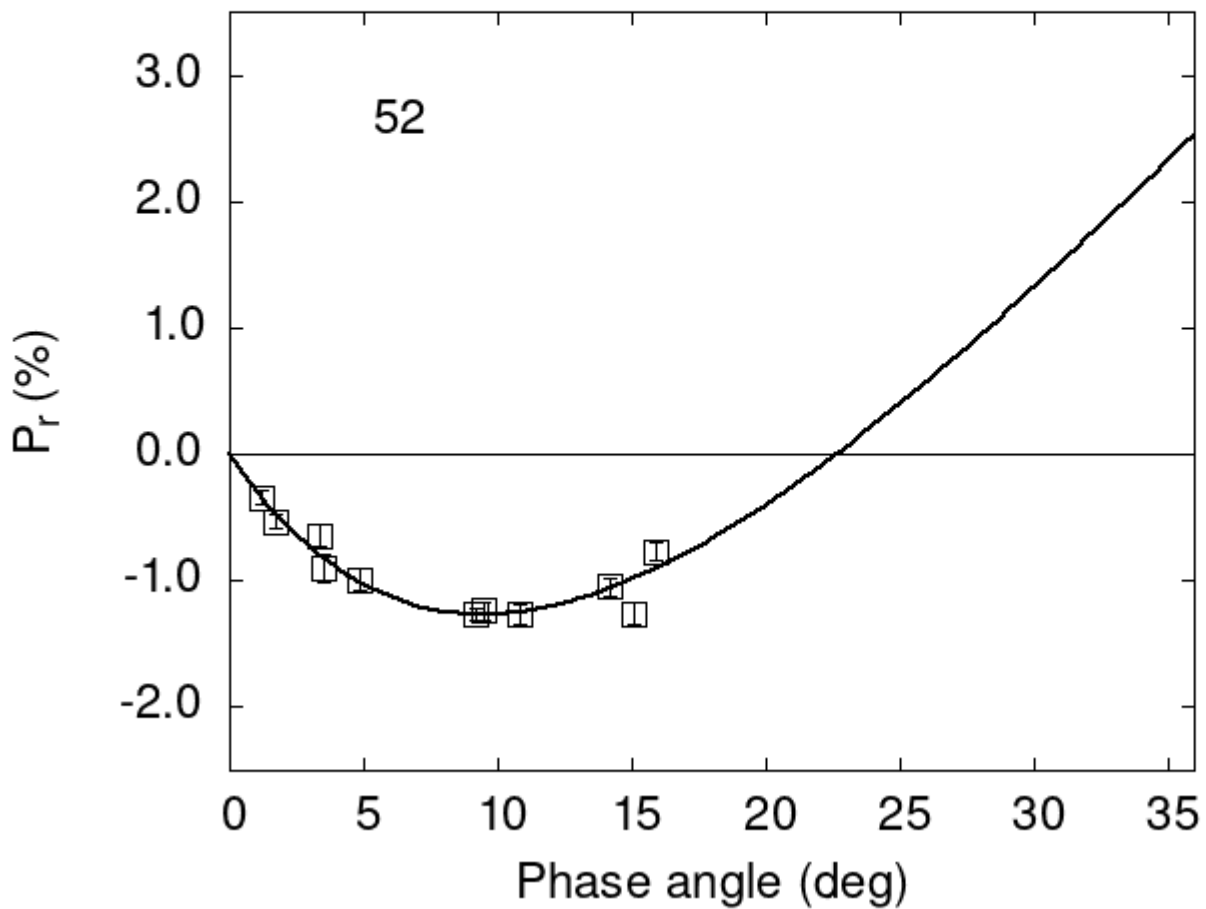


Catalogue of Asteroid Polarization Curves

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.

52	3.37	-0.64	0.09	V	f
52	4.85	-0.99	0.09	V	f
52	15.12	-1.26	0.09	V	f
52	9.20	-1.26	0.05	V	a
52	1.70	-0.53	0.05	V	a
52	1.20	-0.34	0.06	V	a

```

52  9.50 -1.24 0.07 V a
52 14.20 -1.05 0.07 V a
52 10.80 -1.27 0.08 V a
52 15.90 -0.77 0.07 V a
52  3.50 -0.90 0.11 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
#      5.9447    0.3676    10.9798    0.5491    0.2290    0.0146
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      9.45    0.98 -1.266    0.275 22.65    0.25 0.1602 0.0156

```