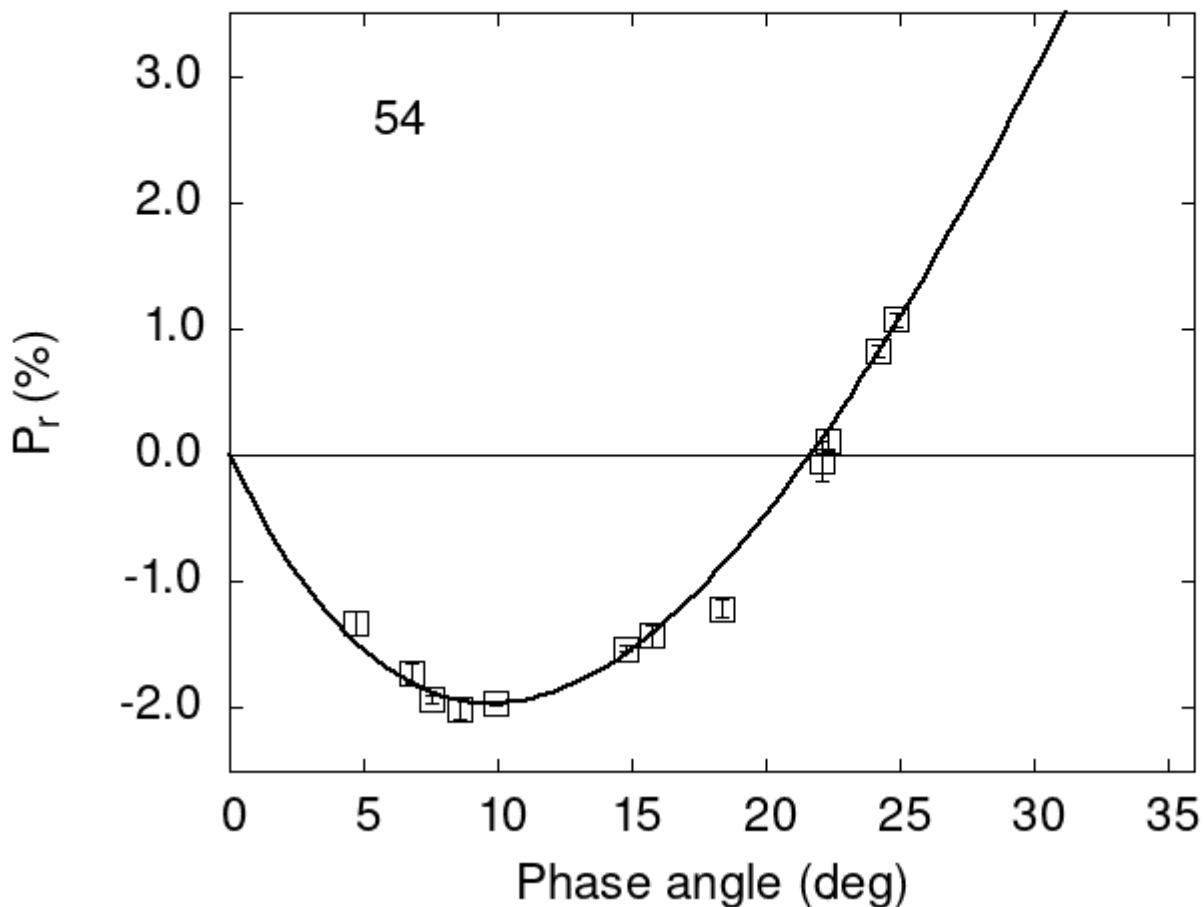


Catalogue of Asteroid Polarization Curves

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.

54	4.74	-1.33	0.09	V	f
54	6.79	-1.72	0.08	V	f
54	15.73	-1.43	0.09	V	f
54	22.33	0.12	0.09	V	f
54	8.59	-2.01	0.08	G	a
54	7.56	-1.93	0.03	G	a

```

54 9.96 -1.96 0.02 V a
54 14.81 -1.53 0.02 G a
54 22.09 -0.05 0.16 G a
54 24.22 0.82 0.05 G a
54 24.86 1.07 0.05 G a
54 18.40 -1.21 0.07 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
#  18.8521   0.8203  17.9075   0.5307   0.6104   0.0177
#
#      Phmin     err    Pmin     err   Ph0     err      k      err
#      9.76   0.97 -1.963   0.424 21.67   0.13  0.2965  0.0225

```