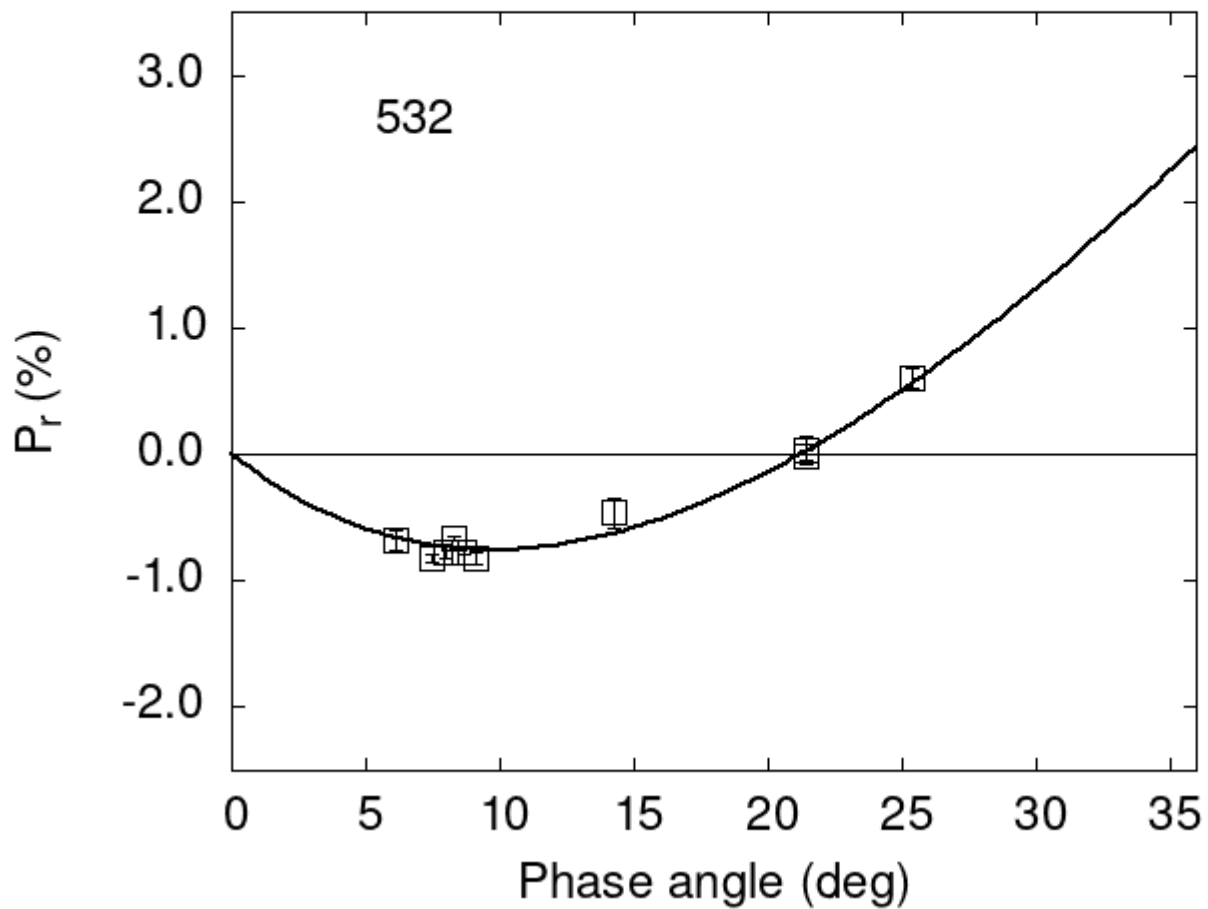


Catalogue of Asteroid Polarization Curves

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.

532	6.13	-0.68	0.08	V	f
532	21.44	0.04	0.11	V	f
532	25.37	0.60	0.08	V	f
532	8.30	-0.66	0.02	V	f
532	7.98	-0.77	0.05	V	a
532	9.09	-0.82	0.05	V	a

```

532  7.47 -0.82 0.03 G a
532  8.63 -0.77 0.02 G a
532 21.44 -0.01 0.04 V a
532 14.30 -0.46 0.12 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
#      9.1377      0.3000    20.4750    0.5715      0.2776      0.0060
#
#      Phmin    err    Pmin      err    Ph0      err      k      err
#      9.72     0.86 -0.755    0.148  21.27    0.33  0.1196  0.0079

```