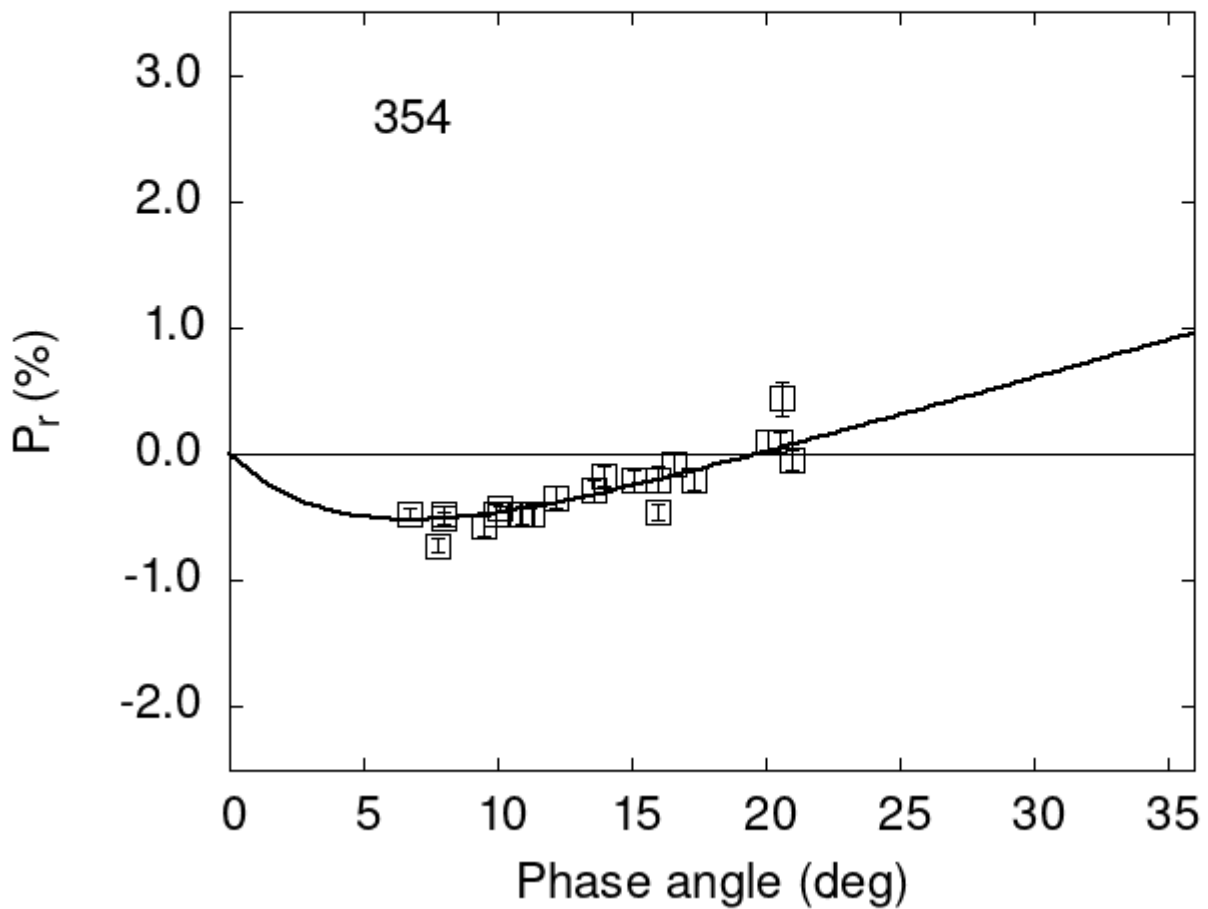


Catalogue of Asteroid Polarization Curves

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.

354	9.46	-0.57	0.08	V	f
354	9.90	-0.48	0.09	V	f
354	10.91	-0.47	0.09	V	f
354	11.26	-0.48	0.09	V	f
354	12.20	-0.34	0.09	V	f
354	13.59	-0.29	0.09	V	f

```

354 13.93 -0.17 0.08 V f
354 15.05 -0.21 0.09 V f
354 15.95 -0.20 0.10 V f
354 16.59 -0.07 0.08 V f
354 17.35 -0.21 0.08 V f
354 20.08 0.10 0.09 V f
354 20.56 0.10 0.08 V f
354 20.99 -0.04 0.08 V f
354 6.71 -0.47 0.05 G a
354 7.80 -0.72 0.06 R a
354 8.00 -0.51 0.06 V a
354 8.00 -0.48 0.07 R a
354 10.10 -0.43 0.02 V a
354 20.60 0.44 0.13 V a
354 16.00 -0.46 0.06 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
#      1.1944    0.2227    4.5767    1.3442    0.0598    0.0108
#
#      Phmin    err   Pmin    err   Ph0    err   k      err
#      6.74    1.35 -0.517  0.221 19.70  0.71 0.0563 0.0113

```