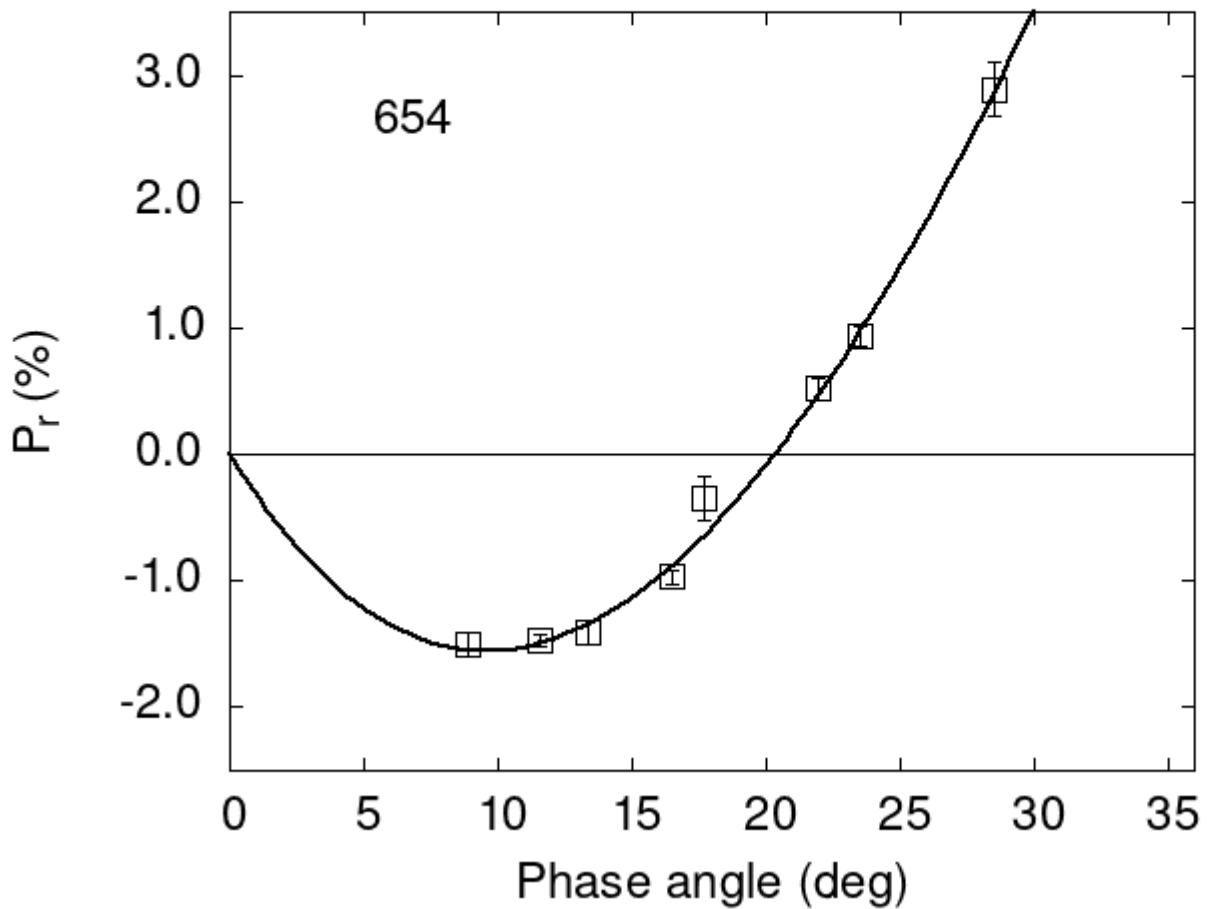


Catalogue of Asteroid Polarization Curves

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.

654	8.92	-1.50	0.10	V	f
654	13.40	-1.41	0.09	V	f
654	21.98	0.52	0.09	V	f
654	16.51	-0.97	0.06	G	a
654	23.56	0.94	0.08	G	a
654	28.53	2.89	0.22	G	a

654 17.70 -0.35 0.17 V a
 654 11.60 -1.47 0.05 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
# 35.3174    0.9803    28.9905    0.7848    0.8750    0.0141
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      9.59    1.07 -1.556    0.382 20.38    0.15 0.2717 0.0224
```