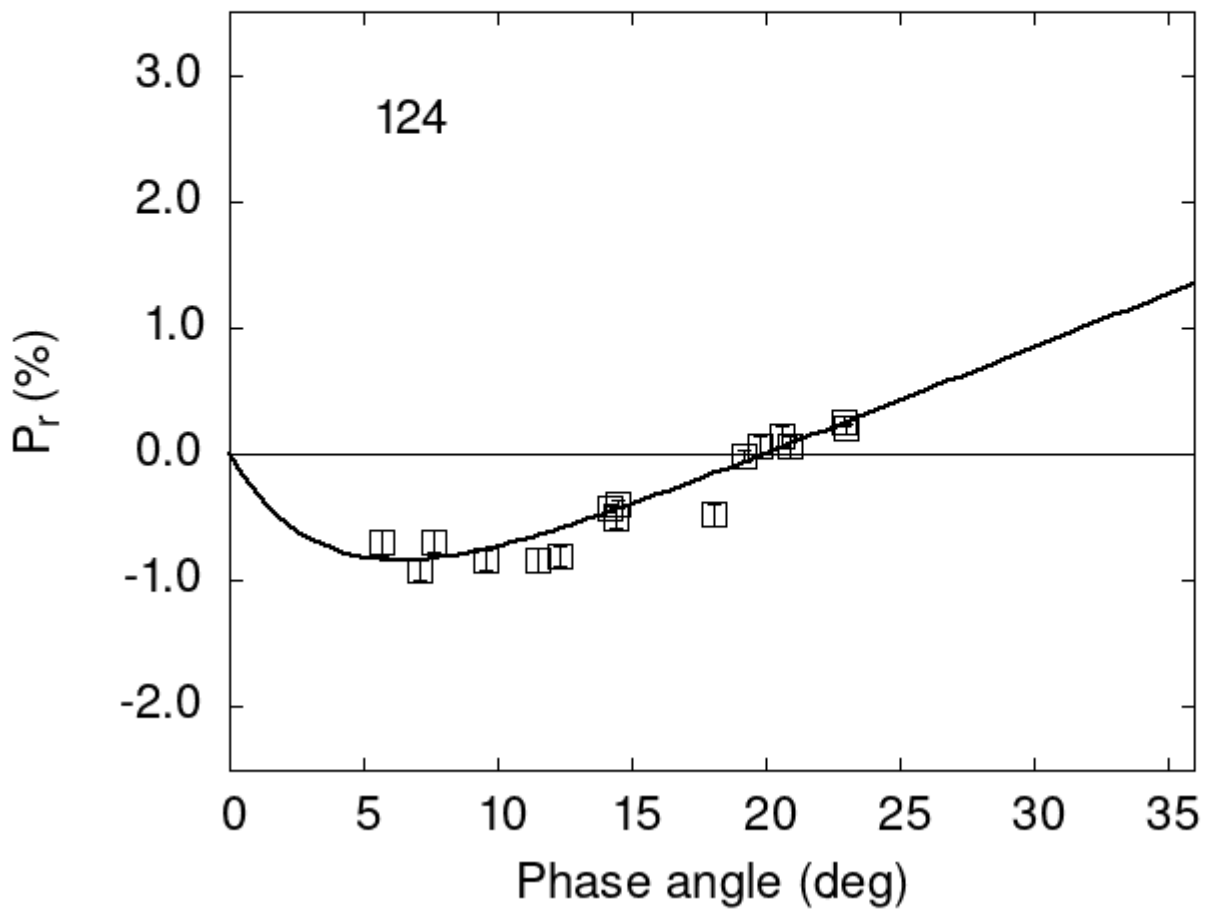


Catalogue of Asteroid Polarization Curves

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.

124	5.69	-0.70	0.10	V	f
124	7.10	-0.92	0.08	V	f
124	9.54	-0.84	0.08	V	f
124	11.53	-0.84	0.09	V	f
124	12.29	-0.81	0.08	V	f
124	14.45	-0.50	0.09	V	f

```

124 18.05 -0.48 0.09 V f
124 19.77 0.06 0.09 V f
124 20.59 0.14 0.08 V f
124 20.93 0.06 0.09 V f
124 19.20 -0.01 0.05 V a
124 14.50 -0.39 0.03 V a
124 14.20 -0.43 0.03 V a
124 22.90 0.26 0.04 V a
124 23.00 0.20 0.04 V a
124 7.60 -0.69 0.09 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
#      1.7040    0.1318    3.8436    0.7435    0.0848    0.0061
#
#      Phmin    err    Pmin    err    Ph0    err    k      err
#      6.36    0.63 -0.839  0.154 19.98  0.49 0.0823 0.0064

```