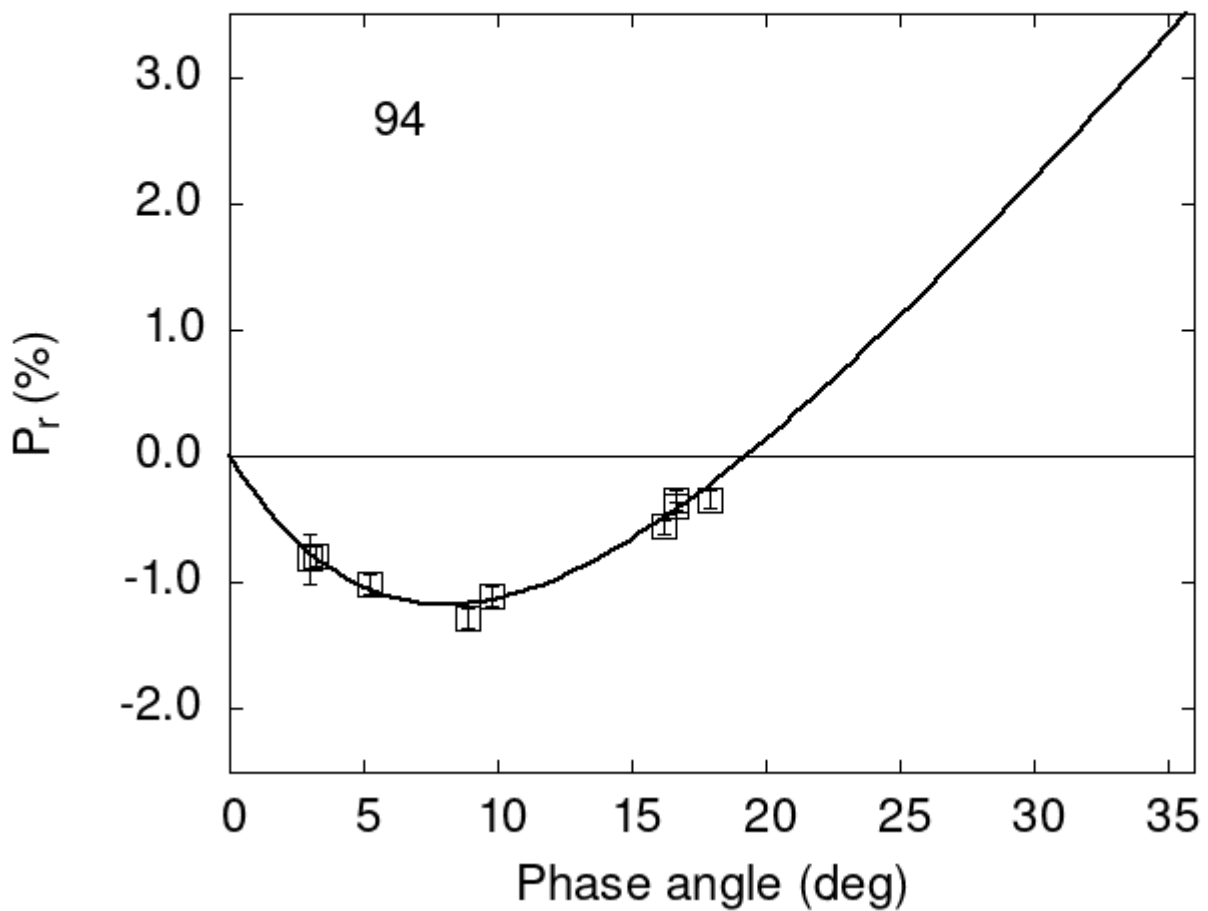


Catalogue of Asteroid Polarization Curves

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.

94	3.22	-0.79	0.08	V	f
94	8.88	-1.28	0.08	V	f
94	16.63	-0.35	0.09	V	f
94	17.90	-0.34	0.07	V	f
94	16.20	-0.56	0.06	V	a
94	16.63	-0.40	0.03	V	a

```

94  3.00 -0.81 0.20 V a
94  9.80 -1.10 0.08 V a
94  5.20 -1.01 0.08 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
#      5.4221    0.2206    9.2060    0.4656    0.2466    0.0082
#
#      Phmin    err    Pmin    err    Ph0    err    k    err
#      8.02    0.49 -1.176    0.175 19.28    0.23 0.1740 0.0096

```