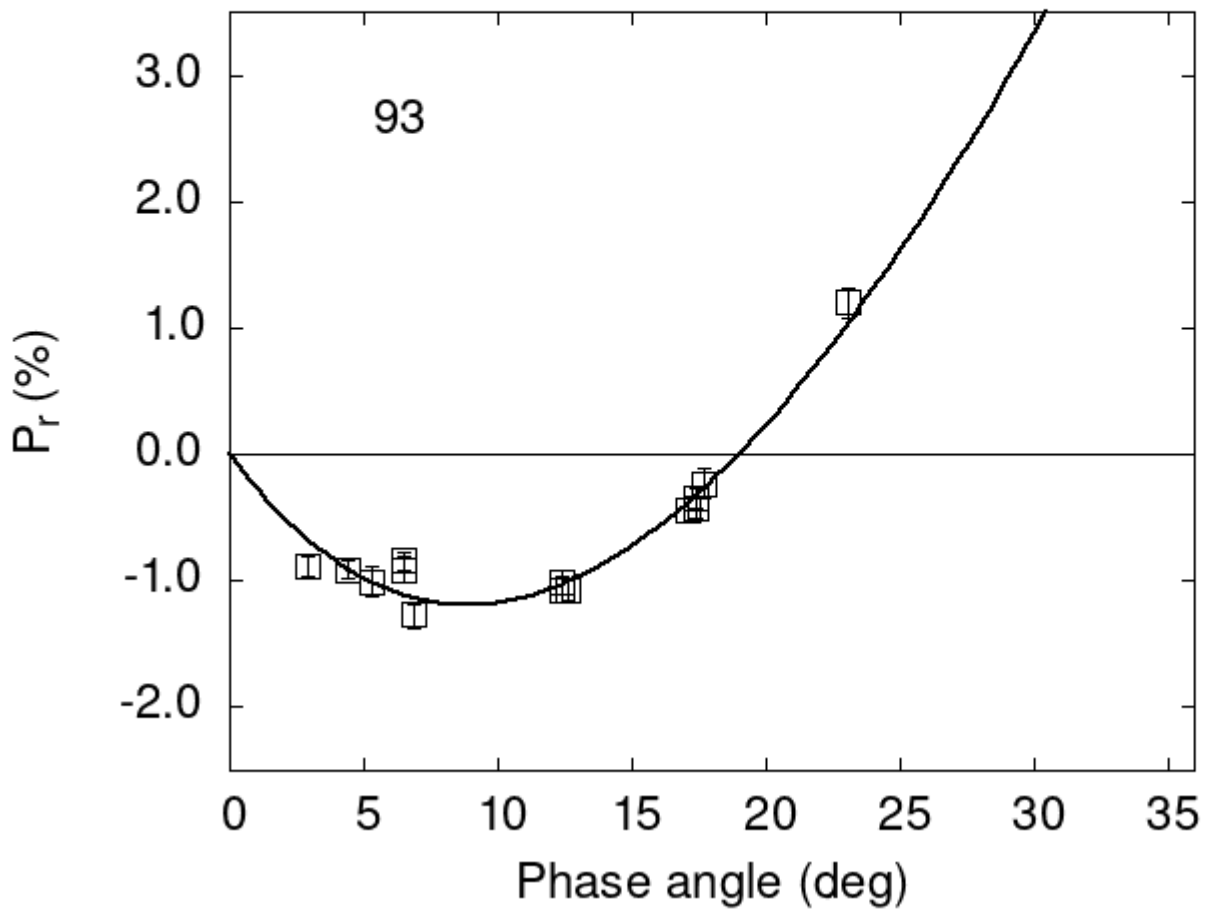


Catalogue of Asteroid Polarization Curves

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.

93	2.95	-0.88	0.08	V	f
93	5.33	-1.01	0.12	V	f
93	6.85	-1.27	0.10	V	f
93	6.85	-1.27	0.09	V	f
93	12.63	-1.08	0.08	V	f
93	17.14	-0.44	0.09	V	f

```

93 17.39 -0.34 0.08 V f
93 17.39 -0.42 0.08 V f
93 17.70 -0.23 0.12 V f
93 12.40 -1.07 0.10 V a
93 12.40 -1.01 0.09 R a
93 6.50 -0.91 0.10 V a
93 6.50 -0.84 0.07 R a
93 23.10 1.20 0.12 V a
93 4.40 -0.91 0.07 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
# 21.9217  0.7839  23.8588  0.7133  0.6332  0.0168
#
#      Phmin  err  Pmin  err  Ph0  err  k      err
#      8.88  1.15 -1.190  0.332 19.01  0.18 0.2190 0.0226

```