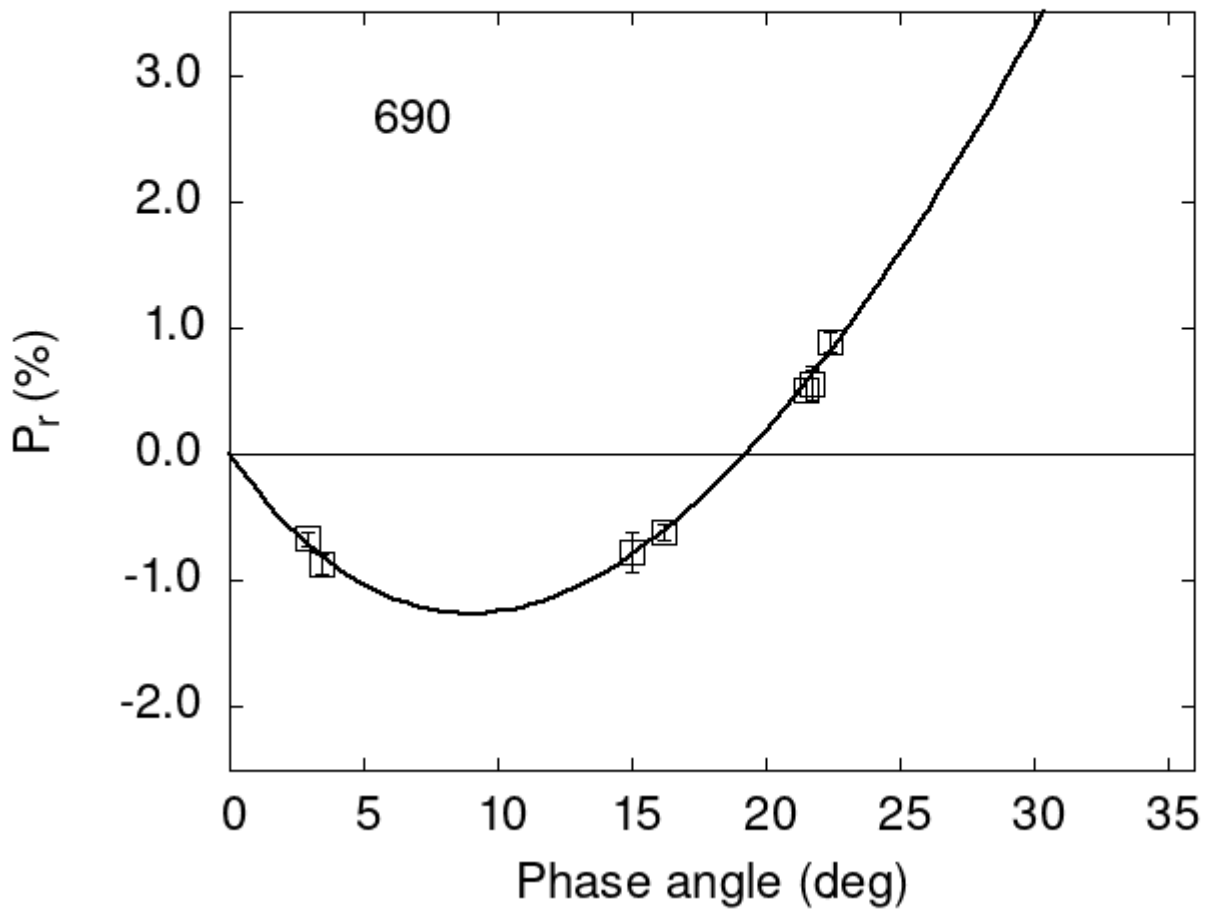


Catalogue of Asteroid Polarization Curves

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.

```
690  3.40 -0.87 0.08 V f
690 21.70  0.56 0.13 V f
690 22.42  0.89 0.08 V f
690 16.20 -0.62 0.06 V a
690 21.50  0.51 0.09 V a
690 21.70  0.56 0.10 V a
```

690 15.00 -0.78 0.16 V a
 690 2.90 -0.67 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
# 21.8365  0.7736  23.2380  0.8917  0.6390  0.0162
#
#      Phmin   err   Pmin   err   Ph0   err   k   err
#      8.96  1.15 -1.261  0.361 19.24  0.18 0.2284 0.0219
```