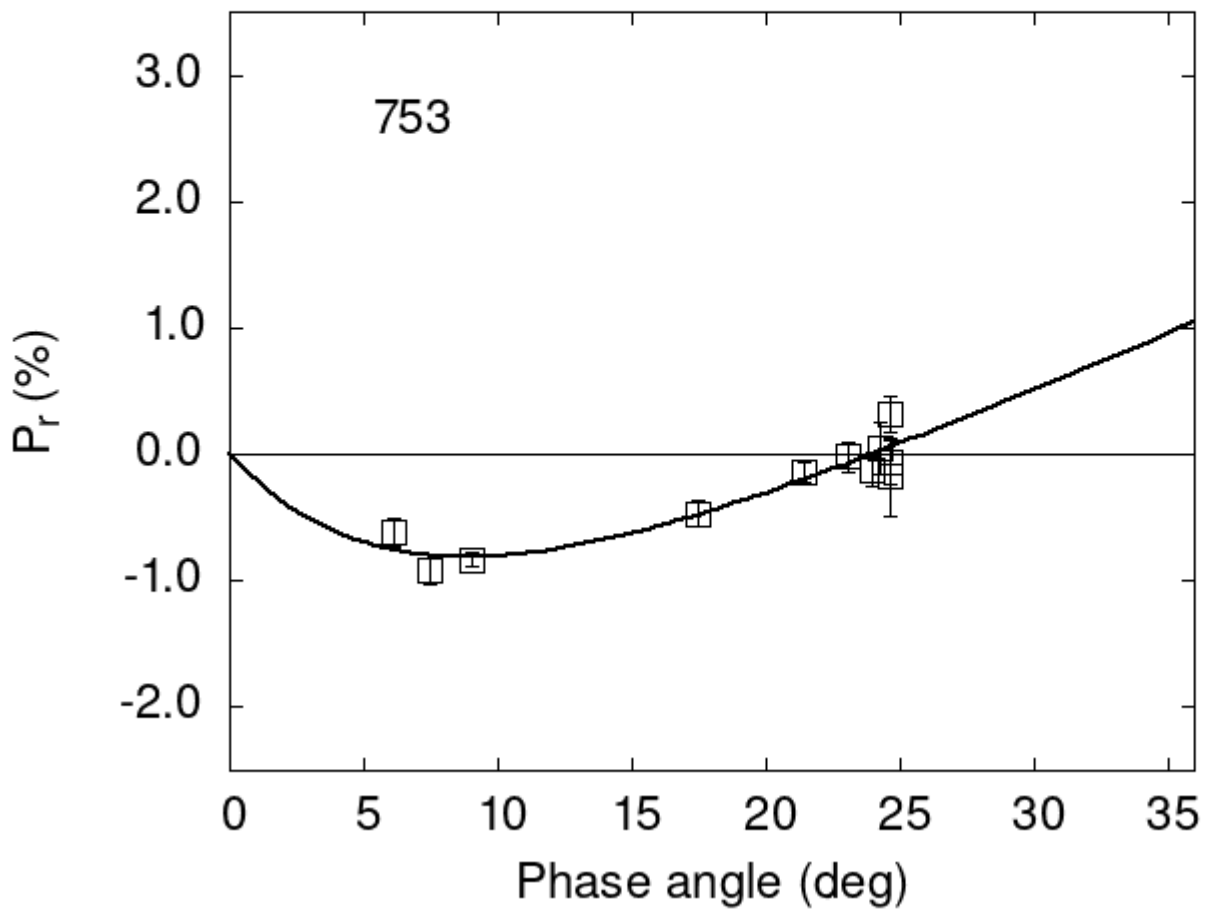


Catalogue of Asteroid Polarization Curves

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.

```
753 6.11 -0.61 0.11 V f
753 7.50 -0.91 0.12 V f
753 23.09 -0.02 0.12 V f
753 23.96 -0.12 0.13 V f
753 24.29 0.05 0.20 V f
753 24.65 0.32 0.14 V f
```

```

753 24.68 -0.18 0.31 V f
753 24.68 -0.06 0.17 V f
753 21.40 -0.14 0.08 V a
753 9.00 -0.83 0.05 V a
753 17.50 -0.47 0.10 V a
753 23.96 -0.12 0.10 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
#      2.2783    0.4195    7.0745    1.5271    0.0918    0.0154
#
#      Phmin    err   Pmin    err   Ph0    err   k      err
#      8.88    1.81 -0.814  0.374 23.97  0.49 0.0809 0.0165

```