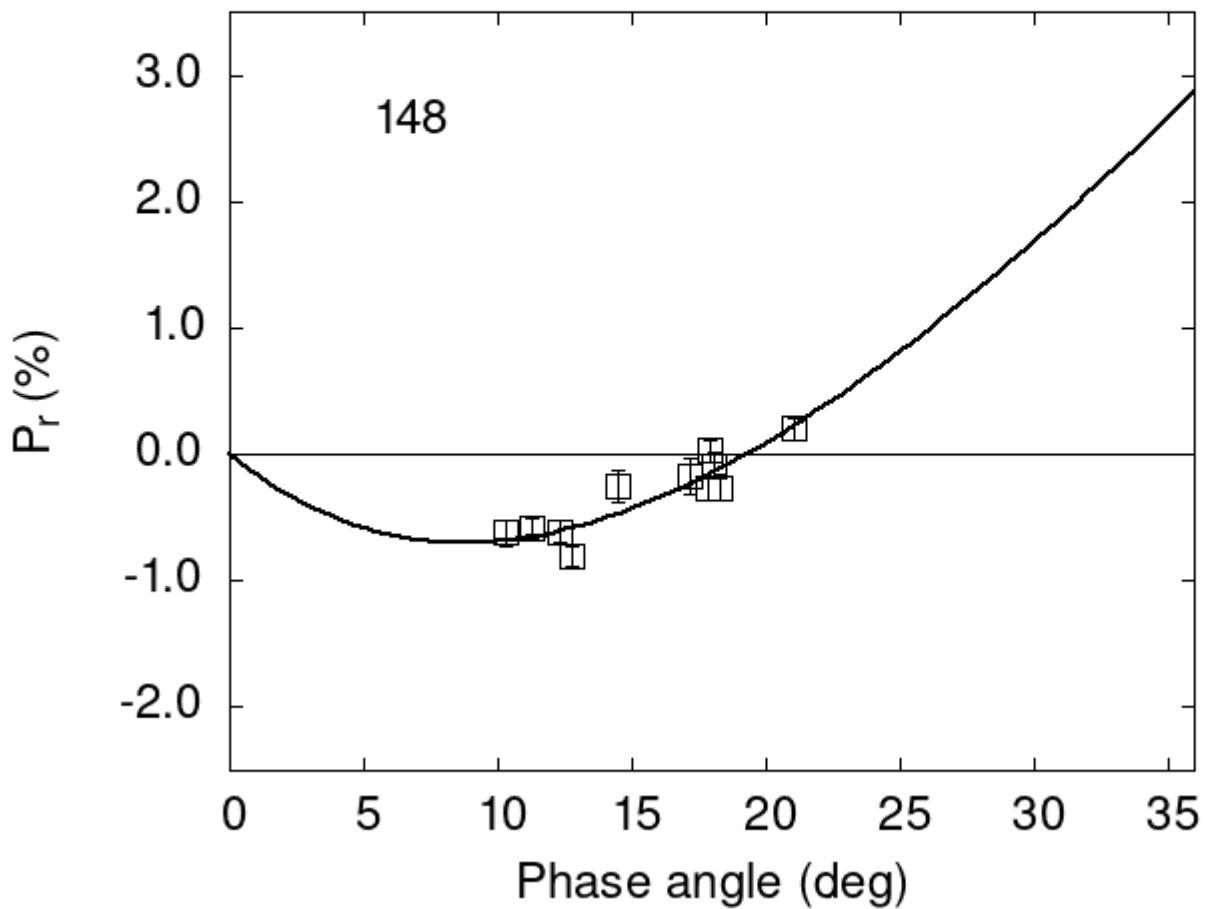


Catalogue of Asteroid Polarization Curves

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.

```
148 10.31 -0.62 0.10 V f
148 11.25 -0.58 0.08 V f
148 12.30 -0.61 0.09 V f
148 12.75 -0.81 0.08 V f
148 14.50 -0.25 0.13 V f
148 17.15 -0.17 0.14 V f
```

```

148 17.88 -0.27 0.09 V f
148 17.89 0.03 0.09 V f
148 18.10 -0.09 0.10 V f
148 18.29 -0.26 0.11 V f
148 21.06 0.20 0.09 V f

```

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
#      7.4747    0.2917    17.1302    0.8982    0.2617    0.0120
#
#      Phmin    err    Pmin      err    Ph0      err    k      err
#      8.76     1.12 -0.700    0.198  19.30    0.33  0.1203  0.0132

```