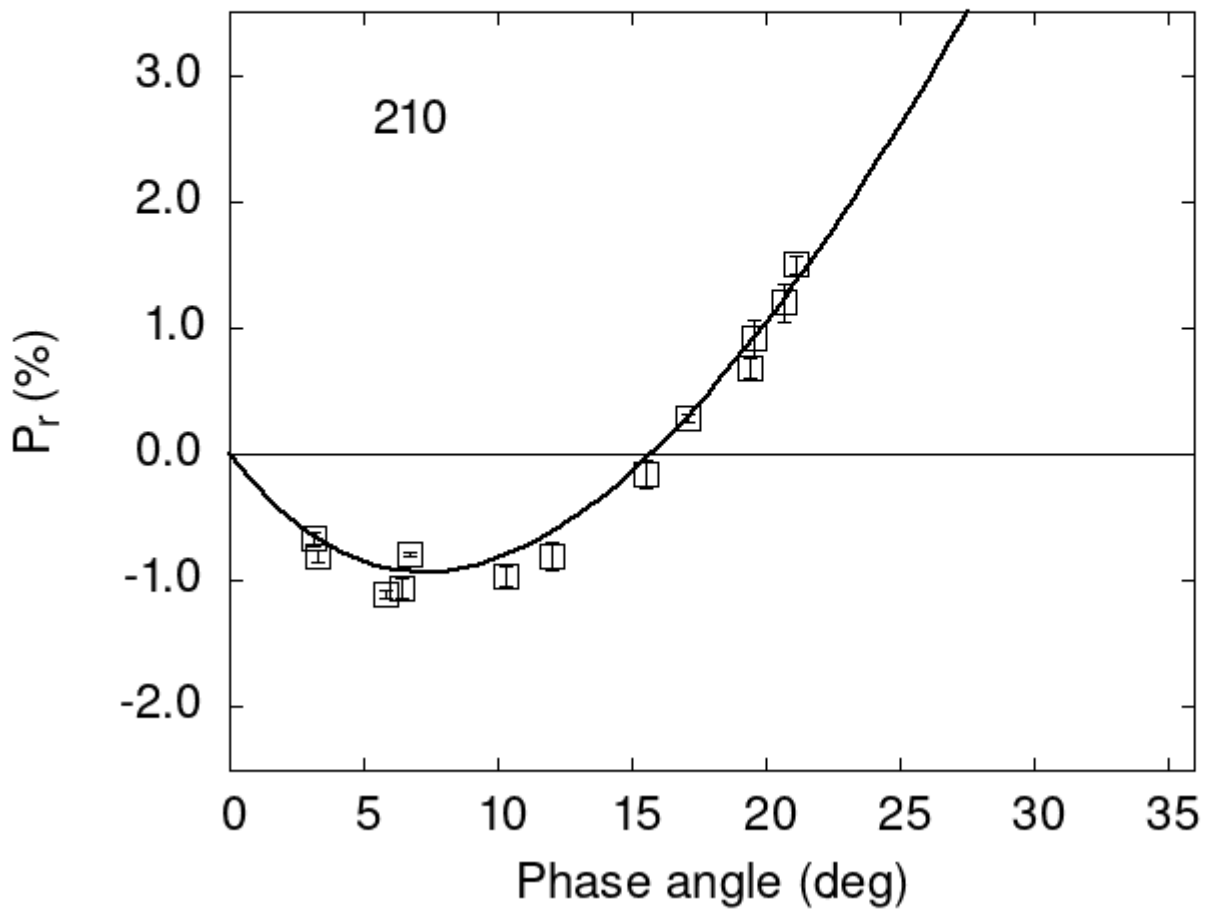


Catalogue of Asteroid Polarization Curves

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.

```
210  6.39 -1.06 0.08 V f
210 15.56 -0.15 0.11 V f
210 19.54  0.92 0.14 V f
210  6.70 -0.79 0.02 V f
210  3.30 -0.81 0.05 V f
210  3.10 -0.67 0.06 V f
```

```

210 12.00 -0.80 0.11 V a
210 5.80 -1.11 0.03 V a
210 10.30 -0.97 0.08 V a
210 20.70 1.20 0.15 V a
210 17.10 0.29 0.03 V a
210 21.10 1.50 0.07 V a
210 19.40 0.68 0.08 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
# 14.5019  0.5754 17.7760  0.4881  0.5413  0.0130
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
#      7.29  0.87 -0.933  0.241 15.73 0.20 0.2045 0.0187

```