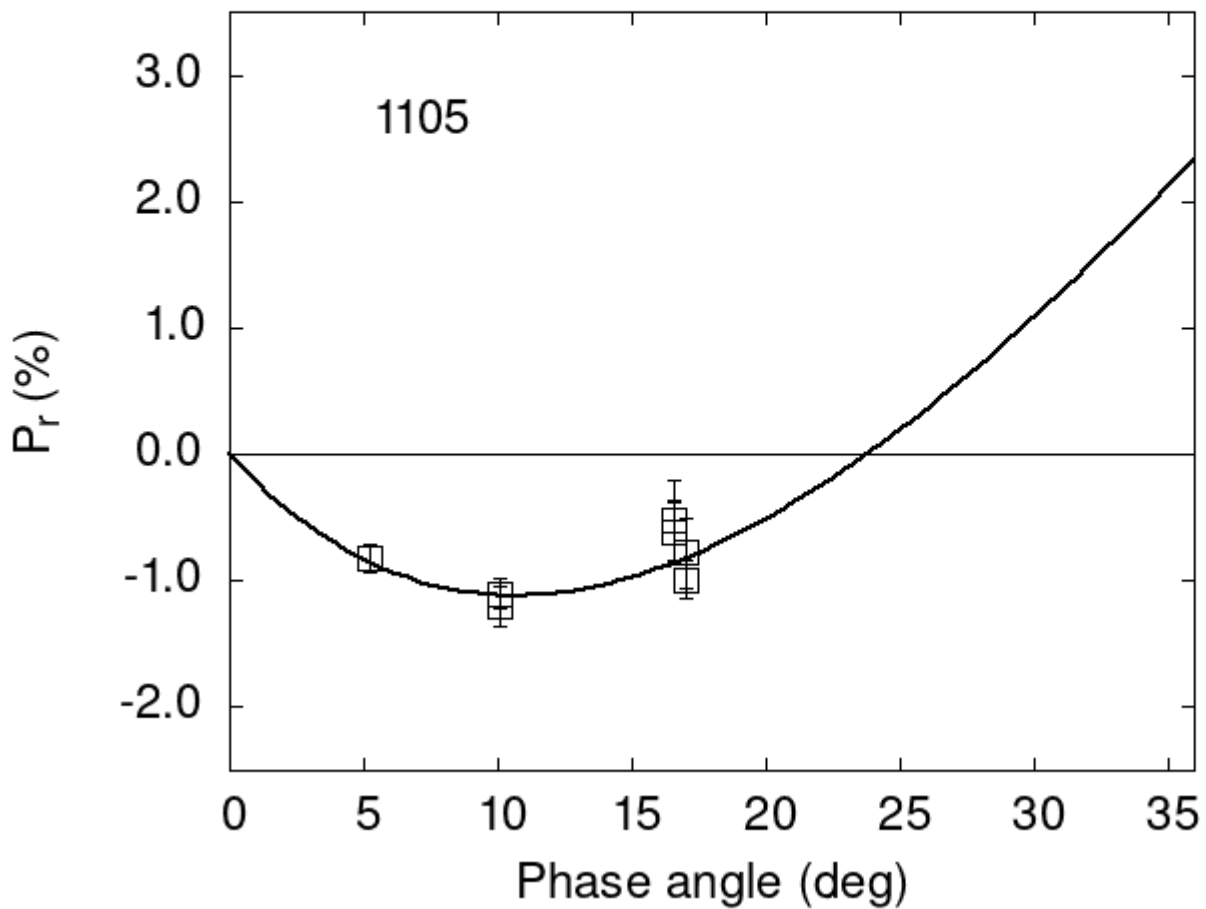


Catalogue of Asteroid Polarization Curves

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.

```
1105 10.12 -1.20 0.16 V f
1105 10.12 -1.10 0.12 R f
1105 16.58 -0.52 0.31 V f
1105 16.58 -0.62 0.24 R f
1105 17.00 -0.78 0.28 V f
1105 17.00 -0.99 0.15 R f
```

```

1105 16.58 -0.52 0.31 V b
1105 16.58 -0.62 0.25 R b
1105 17.00 -0.78 0.28 V b
1105 17.00 -0.99 0.15 R b
1105 10.12 -1.20 0.16 V b
1105 10.12 -1.10 0.12 R b
1105 5.20 -0.82 0.11 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
#      9.7604      0.5746      18.4234      1.4263      0.2974      0.0191
#
#      Phmin      err      Pmin      err      Ph0      err      k      err
#      10.64      1.71      -1.118      0.406      23.80      0.26      0.1518      0.0212

```