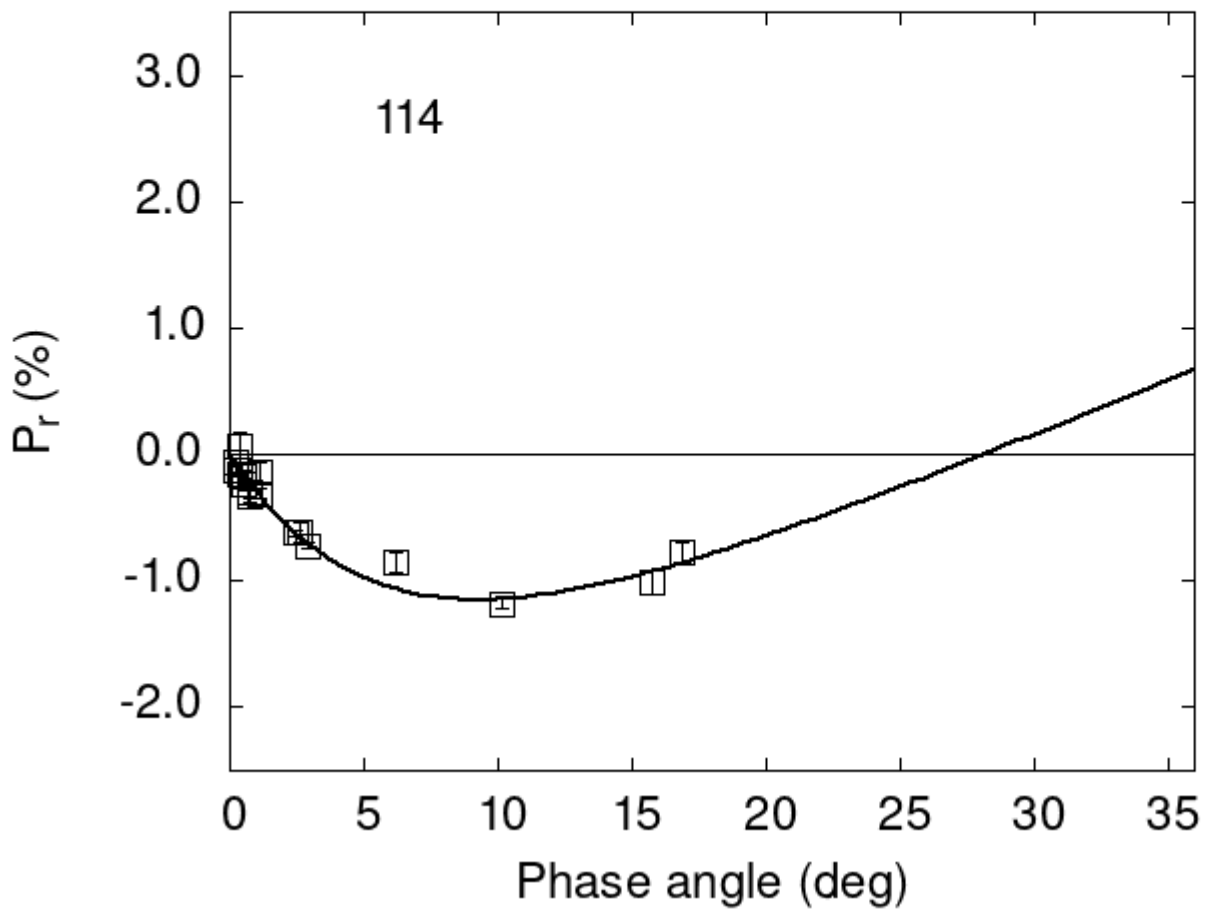


Catalogue of Asteroid Polarization Curves

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.

```
114  2.65 -0.61 0.08 V f
114  6.17 -0.85 0.08 V f
114 15.77 -1.01 0.09 V f
114 16.86 -0.78 0.08 V f
114 10.17 -1.18 0.04 G a
114  0.54 -0.18 0.05 V a
```

```

114 0.54 -0.24 0.05 R a
114 0.19 -0.13 0.04 V a
114 0.19 -0.06 0.03 R a
114 0.35 0.06 0.12 V a
114 0.35 -0.16 0.09 R a
114 0.72 -0.30 0.05 V a
114 0.72 -0.33 0.05 R a
114 1.13 -0.14 0.08 V a
114 1.13 -0.31 0.04 R a
114 2.90 -0.72 0.02 V a
114 2.50 -0.62 0.02 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
#      2.4751      0.5726      5.9367      1.0853      0.0870      0.0297
#
#      Phmin      err      Pmin      err      Ph0      err      k      err
#      9.30      2.52 -1.149      0.551 28.19      0.48 0.0834 0.0298

```