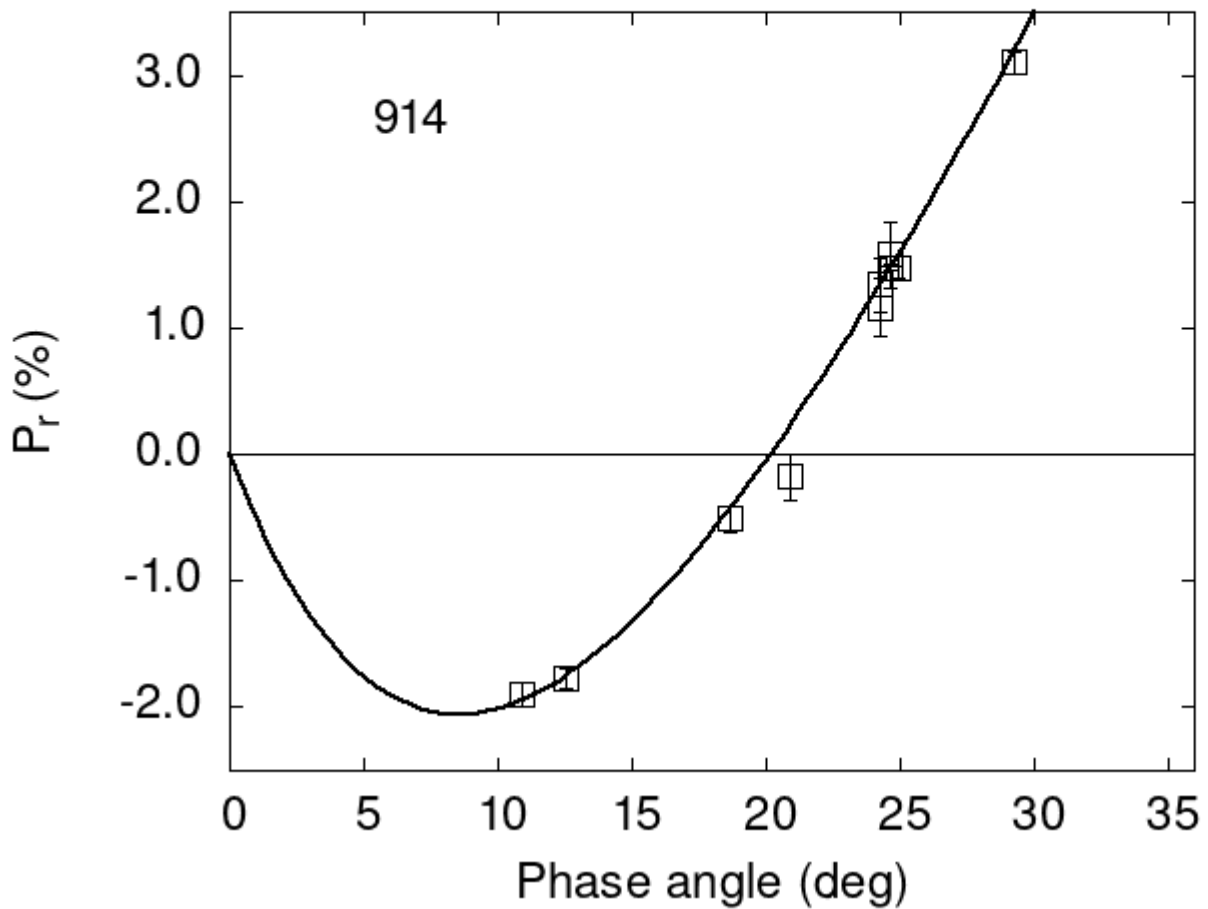


Catalogue of Asteroid Polarization Curves

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.

```
914 10.90 -1.90 0.09 V f
914 12.57 -1.77 0.08 V f
914 18.65 -0.51 0.10 V f
914 24.91 1.48 0.09 V f
914 29.26 3.10 0.09 V f
914 24.61 1.58 0.26 V a
```

```

914 24.61  1.48 0.03 R a
914 24.27  1.16 0.23 V a
914 24.27  1.34 0.21 R a
914 20.90 -0.18 0.18 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
# 10.7955  0.8363 10.7249  0.8229  0.4533  0.0224
#
#      Phmin  err  Pmin  err  Ph0  err  k  err
#      8.56  1.00 -2.055  0.580 20.18 0.13 0.3000 0.0274

```