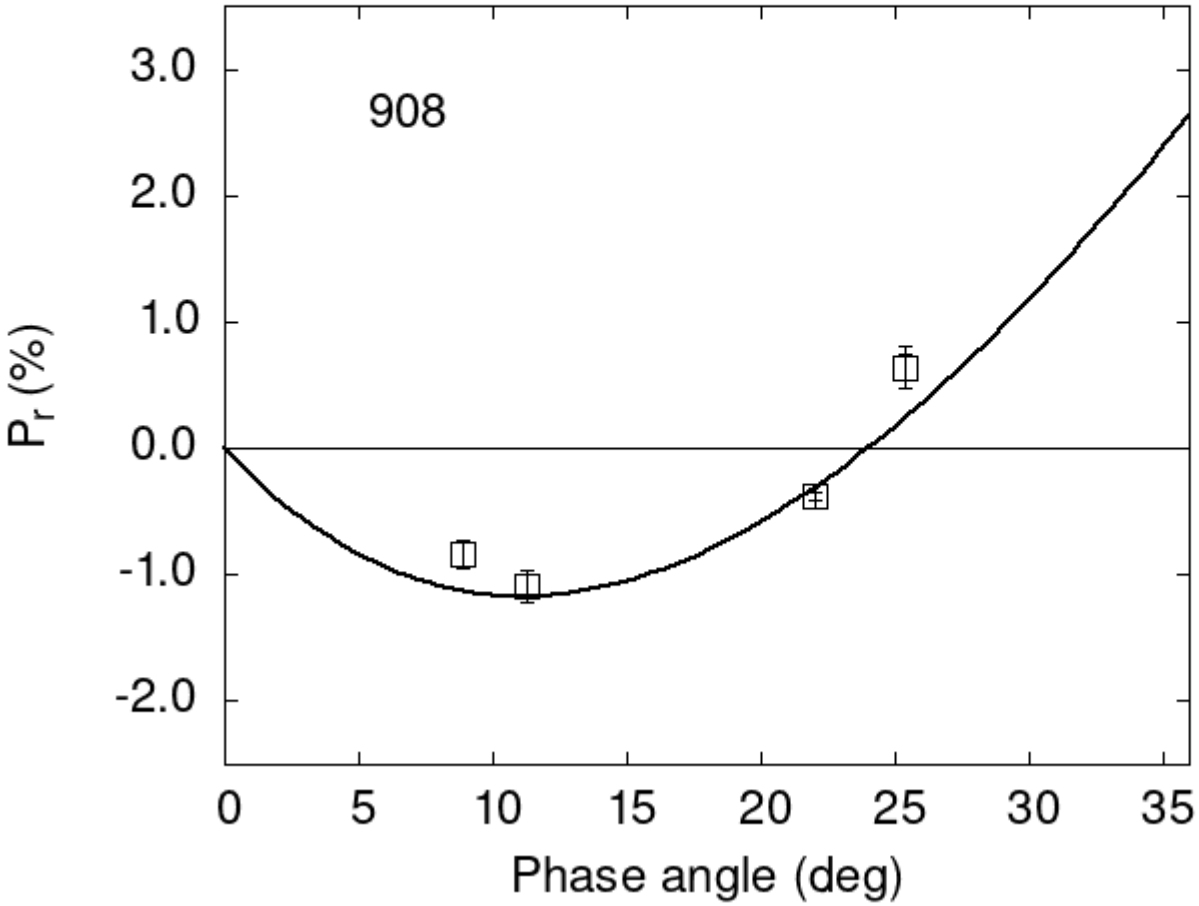
Catalogue of Asteroid Polarization Curves

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.

```
908 11.28 -1.09 0.12 V f
908 22.01 -0.38 0.09 V f
908 25.36  0.64 0.10 V f
908  8.90 -0.84 0.11 V a
908 22.01 -0.38 0.03 V a
908 25.36  0.64 0.17 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
#   17.5986   0.5396  26.5881   1.1616   0.4357   0.0141
#
#     Phmin   err   Pmin    err  Ph0    err    k      err
#     11.12  1.37 -1.170  0.322 24.02  0.24 0.1676 0.0164
```