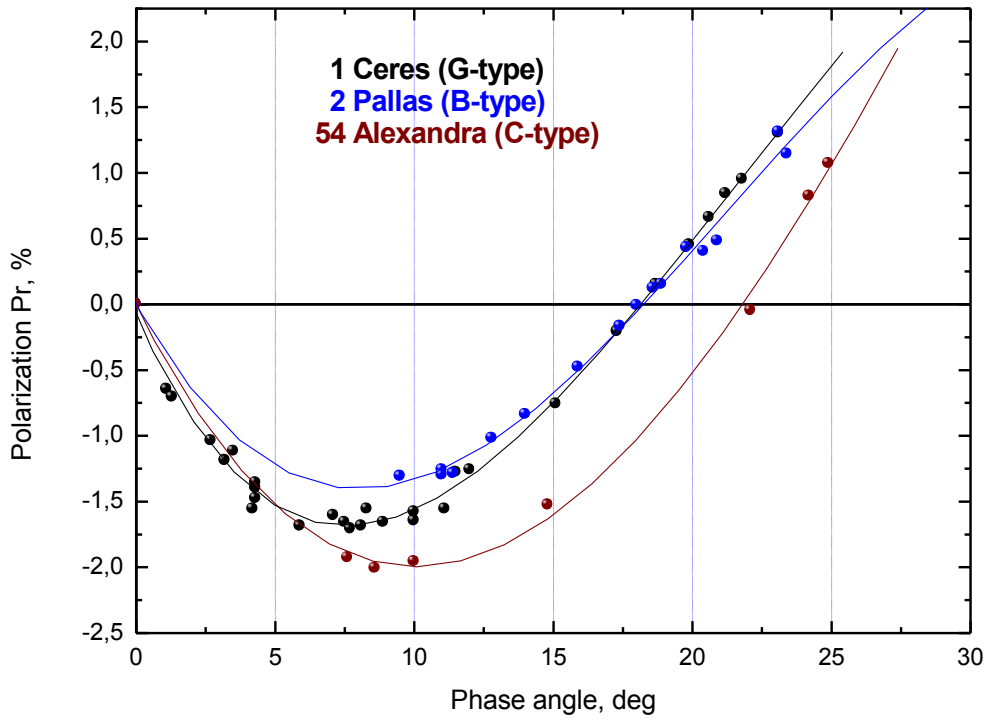
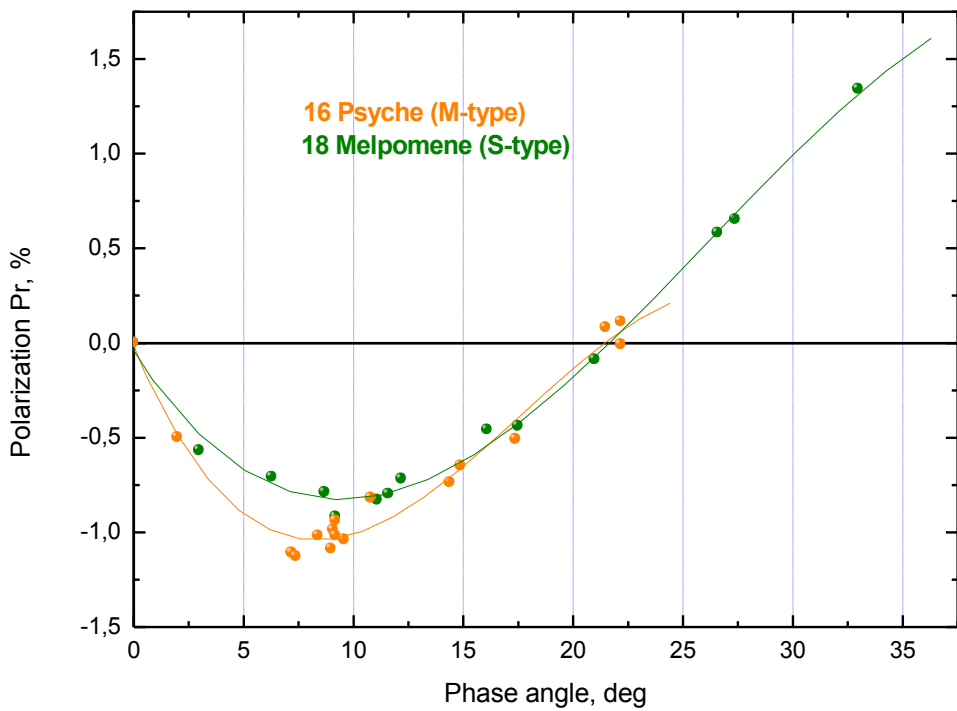


Polarization – phase angle dependences of asteroids of different types

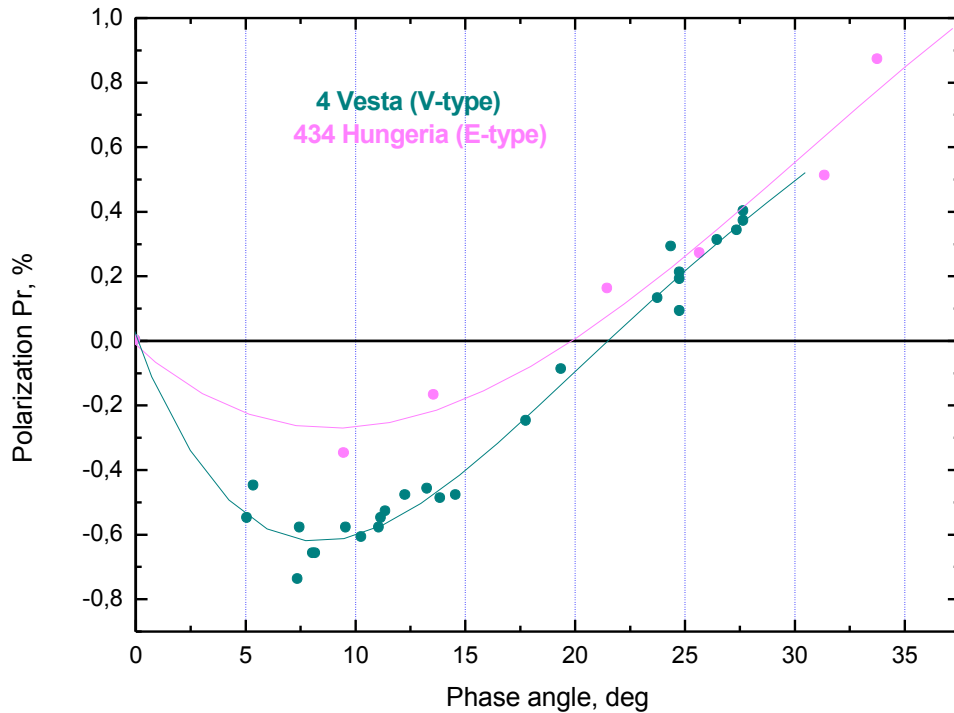
Low-albedo asteroids



Moderate-albedo asteroids



High-albedo asteroids



Albedos and parameters of average polarization phase dependences of the main asteroid types in the V band *

Asteroid type	Average albedo	$ P_{\min} $ (%)	α_{\min} (deg)	α_{inv} (deg)	h (%/deg)
F	0.05	1.15 ± 0.10	7.0 ± 1.7	15.5 ± 1.5	0.327 ± 0.037
C	0.07	1.55 ± 0.55	8.7 ± 2.1	19.7 ± 1.5	0.369 ± 0.039
M	0.15	1.08 ± 0.25	8.4 ± 1.3	22.0 ± 2.0	0.170 ± 0.010
S	0.20	0.77 ± 0.20	8.0 ± 1.2	20.6 ± 2.0	0.107 ± 0.005
A	0.42	0.40 ± 0.10	< 7	18.1 ± 1.5	0.044 ± 0.008
E	0.51	0.31 ± 0.05	4.7 ± 1.3	18.0 ± 1.5	0.042 ± 0.013

*) taken from the book:

Mishchenko M. I., Rosenbush V. K., Kiselev N. N., Lupishko D. F., Tishkovets V. P., Kaydash V. G., Belskaya I. N., Efimov Y. S., Shakhovskoy N. M. Polarimetric remote sensing of Solar System objects. – Kyiv: Akadempriodyka, 2010. 291 p., 24 p. il.

Comments: presented plots and table show the strong dependence of negative polarization P_{\min} and polarimetric slope h on asteroid albedo.