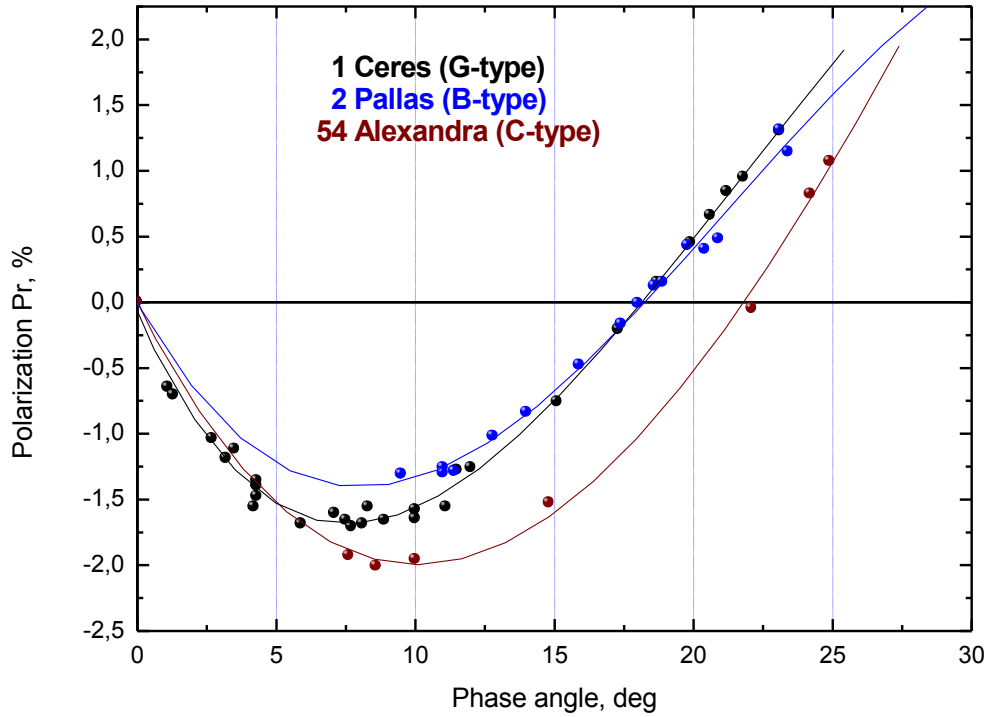
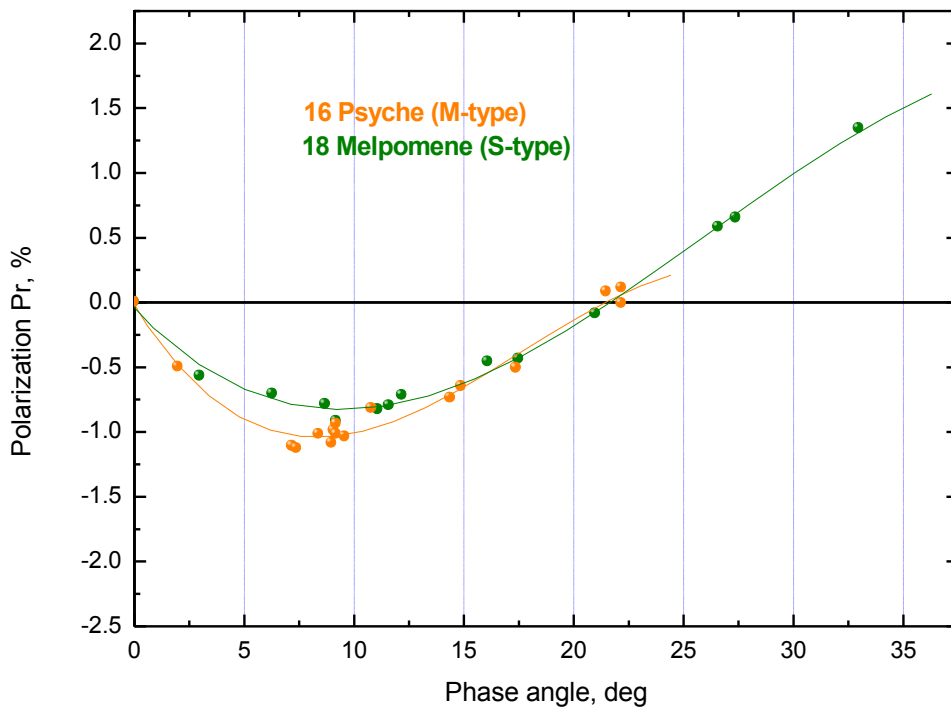


# Polarization-phase angle dependences of asteroids of different types

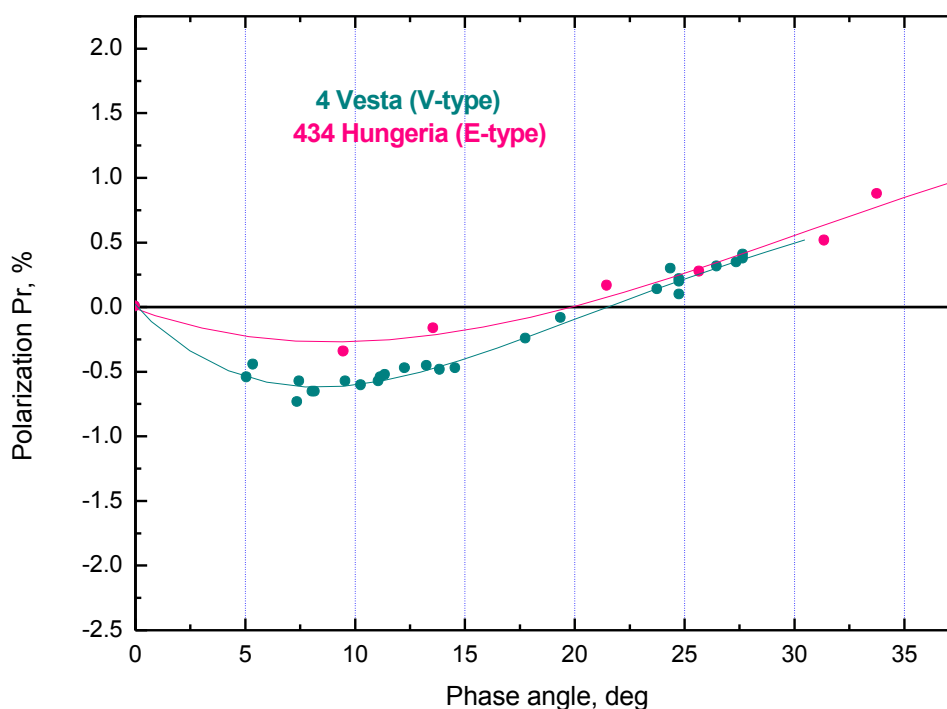
## Low-albedo asteroids



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

\*) 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.