















Comparing between Chessboard and Rod method

- 3 experimentations for more than 200 points.
- Focal length = 18 mm
- In Relative to the distance between new points and D.Camera:
- The smaller the focal length of the lens the use of chessboard will be very similar to Rod method
 quality.

Datumate

Distance of Objects from Camera [m]	DY [m]	DX [m]	DH [m]
10	0.007	-0.001	0.002
20	-0.002	-0.006	0.003
30	0.017	0.013	0.001
40	0.025	0.023	0.000
50	-0.027	-0.036	0.003
60	-0.056	-0.074	0.003











Digital camera advantages for geomatics:

✓ Geodetic level accuracy.

Datumate

- ✓ Saving time \rightarrow Increasing in field staffs production.
- No need for returning back to the field when detecting dis-missed object's points.
- Measurements by D.Camera could be done by CAD drawer and isn't necessary by land surveyors.
- ✓ Perfect documentation of the executed measurements.



