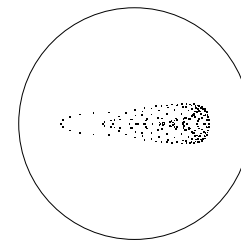
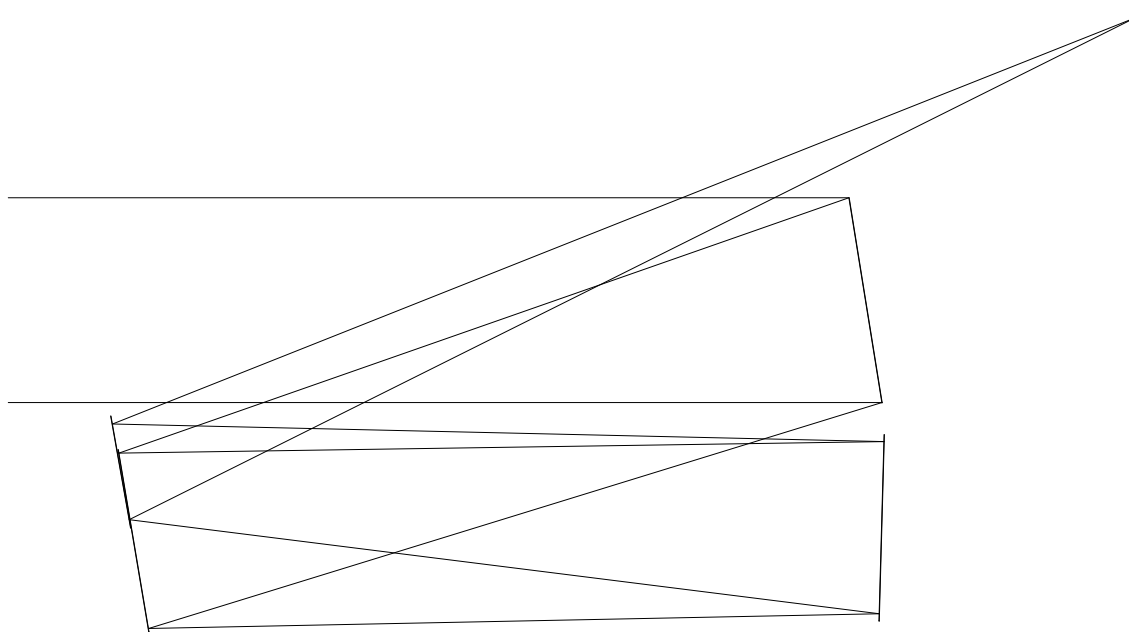


Surface	Radius	CC/Rsag	Tilt	Separation
sphere	7500	0	-9.1	520
parab	-7500	1	8.6	505
parab	2400	1	2.6	515
parab	-7500	1	-14.15658	750.0198
flat	0	111	-1.681775	(focal plane)



Aperture 140 mm Field semi-angle 0.25 degrees f/11.54



Field center

ast'	l's	l't	
-0.001063	29.526004	29.527066	
AST'	L'S	L'T	
-0.002248	29.527777	29.530025	
Coma'S	Coma'T	LA'S	LA'T
-0.000038	-0.000332	0.001774	0.002958
Focus'S	Focus'T	F/ratio	LA'toler
63.625903	65.106684	11.677885	0.049114

Focal plane

B.F.L.	Tilt
29.528310	-1.671452
Tilt'S	Tilt'T
-1.366958	-1.975945

Field diameter
0.554919

Anamorphism
1.081 %

- Field angle

AST'	X'S	X'T
0.001140	-0.006309	-0.009697
Coma'S	Coma'T	
-0.000130	-0.000159	

+ Field angle

AST'	X'S	X'T
-0.004850	0.007078	0.009681
Coma'S	Coma'T	
-0.000207	-0.000822	