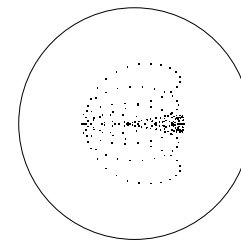
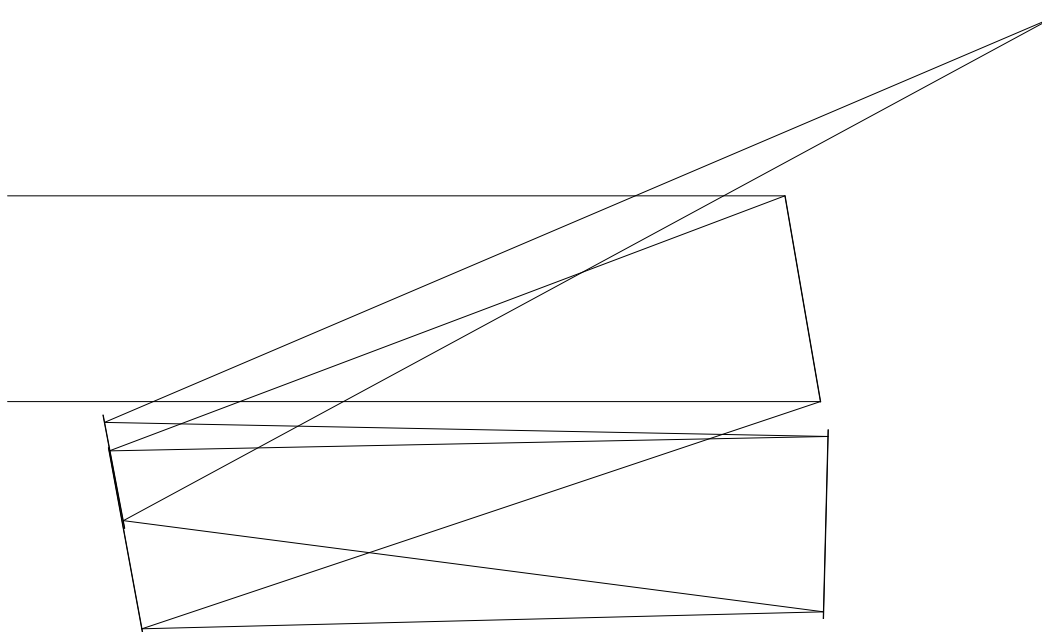


Surface	Radius	CC/Rsag	Tilt	Separation
parab	9000	1	-9.8	585.0001
parab	-9000	1	9.16	569.9999
parab	2710.002	1	2.75	581.0001
parab	-9000	1	-15.01451	849.5932
flat	0	111	-1.616494	(focal plane)



Aperture 170 mm Field semi-angle 0.25 degrees f/10.56



Field center

ast'	l's	l't	
0.004254	33.446978	33.442724	
AST'	L'S	L'T	
0.002510	33.451041	33.448532	
Coma'S	Coma'T	LA'S	LA'T
0.000051	-0.000184	0.004063	0.005808
Focus'S	Focus'T	F/ratio	LA'toler
70.710323	72.549041	10.702318	0.041360

Focal plane

B.F.L.	Tilt
33.448552	-1.617495
Tilt'S	Tilt'T
-1.174751	-2.060240

Field diameter
0.616625

Anamorphism
1.146 %

- Field angle

AST'	X'S	X'T
0.007771	-0.005955	-0.011216
Coma'S	Coma'T	
-0.000274	-0.000463	

+ Field angle

AST'	X'S	X'T
-0.001909	0.006839	0.011258
Coma'S	Coma'T	
-0.000171	-0.000829	