

System/Prescription Data

File : C:\Documents and Settings\Bob Parks\My Documents\BOB\COS\Classes\415-515\New class example 7 with fold C.zmx
 Title:
 Date : SUN OCT 11 2009

GENERAL LENS DATA:

Surfaces : 20
 Stop : 10
 System Aperture : Float By Stop Size = 50
 Glass Catalogs : SCHOTT
 Ray Aiming : Paraxial Reference, Cache On
 X Pupil shift : 0
 Y Pupil shift : 0
 Z Pupil shift : 0
 X Pupil compress : 0
 Y Pupil compress : 0
 Apodization : Uniform, factor = 0.00000E+000
 Temperature (C) : 2.00000E+001
 Pressure (ATM) : 1.00000E+000
 Adjust Index Data To Environment : Off
 Effective Focal Length : -899.2318 (in air at system temperature and pressure)
 Effective Focal Length : -899.2318 (in image space)
 Back Focal Length : -767.9204
 Total Track : 318.7117
 Image Space F/# : 2.002401
 Paraxial Working F/# : 4.004392
 Working F/# : 3.999998
 Image Space NA : 0.1239008
 Object Space NA : 0.1238989
 Stop Radius : -50
 Paraxial Image Height : 29.99953
 Paraxial Magnification : -0.9999843
 Entrance Pupil Diameter : 449.0767
 Entrance Pupil Position : -1929.595
 Exit Pupil Diameter : 449.1617
 Exit Pupil Position : -1798.61
 Field Type : Object height in Millimeters
 Maximum Radial Field : 30
 Primary Wavelength : 0.55 μ m
 Lens Units : Millimeters
 Angular Magnification : -0.9998107

Fields : 5
 Field Type: Object height in Millimeters

#	X-Value	Y-Value	Weight
1	0.000000	20.000000	1.000000
2	0.000000	25.000000	1.000000
3	0.000000	30.000000	1.000000
4	5.000000	25.000000	1.000000
5	-5.000000	25.000000	1.000000

Vignetting Factors

#	VDX	VDY	VCX	VCY	VAN
1	0.000000	0.000000	0.000000	0.000000	0.000000
2	0.000000	0.000000	0.000000	0.000000	0.000000
3	0.000000	0.000000	0.000000	0.000000	0.000000
4	0.000000	0.000000	0.000000	0.000000	0.000000
5	0.000000	0.000000	0.000000	0.000000	0.000000

Wavelengths : 1
 Units: μ m

#	Value	Weight
1	0.550000	1.000000

SURFACE DATA SUMMARY:

Surf	Type	Radius	Thickness	Glass	Diameter	Conic	Comment
OBJ	STANDARD	Infinity	131.2875		60	0	
1	EVENASPH	Infinity	14	BK7	100	0	lens 1
2	STANDARD	-177.1122	46.51043		100	0	surf 2
3	STANDARD	Infinity	126.8999		0	0	surf 3
4	COORDBRK	-	0		-	-	
5	STANDARD	Infinity	0	MIRROR	138.4172	0	dummy
6	COORDBRK	-	-126.9138		-	-	
7	EVENASPH	2058.471	-14	BK7	100	0	lens 2
8	STANDARD	1292.391	-16	SF2	100	0	surf 2
9	STANDARD	Infinity	-100		100	0	surf 3
STO	STANDARD	570.4924	100	MIRROR	100	-0.1577772	
11	STANDARD	Infinity	16	SF2	97.54187	0	surf 3
12	STANDARD	1292.391	14	BK7	100	0	surf 2
13	STANDARD	2058.471	126.8999		100	0	lens 2
14	COORDBRK	-	0		-	-	
15	STANDARD	Infinity	0	MIRROR	138.4172	0	dummy
16	COORDBRK	-	-126.8999		-	-	
17	STANDARD	Infinity	-46.51043		0	0	Lens 1
18	STANDARD	-177.1122	-14	BK7	100	0	surf 2
19	STANDARD	Infinity	-131.2875		100	0	surf 1

