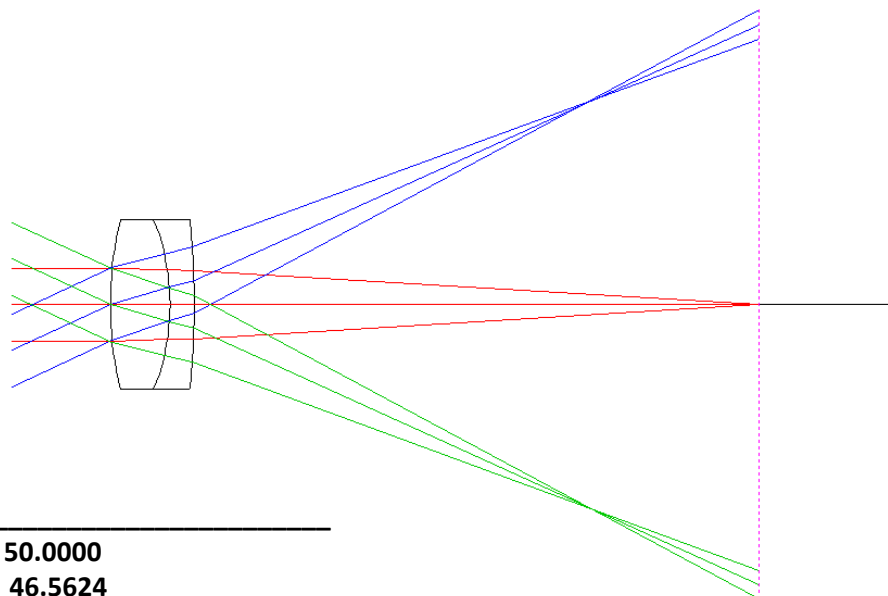


A



SYSTEM SPECIFICATIONS

OBJECT DISTANCE (TH0)	INFINITE	FOCAL LENGTH (FOCL)	50.0000
OBJECT HEIGHT (YPP0)	INFINITE	PARAXIAL FOCAL POINT	46.5624
MARG RAY HEIGHT (YMP1)	3.0000	IMAGE DISTANCE (BACK)	46.5624
MARG RAY ANGLE (UMP0)	0.0000	CELL LENGTH (TOTL)	6.9200
CHIEF RAY HEIGHT (YPP1)	0.0000	F/NUMBER (FNUM)	8.3333
CHIEF RAY ANGLE (UPP0)	25.0000	GAUSSIAN IMAGE HT(GIHT)	23.3154
ENTR PUPIL SEMI-APERTURE	3.0000	EXIT PUPIL SEMI-APERTURE	3.0733
ENTR PUPIL LOCATION	0.0000	EXIT PUPIL LOCATION	-4.6598

WAVL (uM) .6562700 .5875600 .4861300

WEIGHTS 1.000000 1.000000 1.000000

COLOR ORDER 2 1 3

UNITS MM

APERTURE STOP SURFACE (APS) 1

SURF	RADIUS	THICKNESS	MEDIUM	INDEX	V-NUMBER
------	--------	-----------	--------	-------	----------

0	INFINITE	INFINITE	AIR		
1	29.69192	4.92000	BK3	1.49830	65.07 SCHOTT
2	-18.74282	2.00000	F3	1.61293	37.04 SCHOTT
3	-63.44632	46.56235	S AIR		
IMG	INFINITE				

B

SYSTEM SPECIFICATIONS

OBJECT DISTANCE (TH0) INFINITE FOCAL LENGTH (FOCL) 50.7996
 OBJECT HEIGHT (YPP0) INFINITE PARAXIAL FOCAL POINT 31.6907
 MARG RAY HEIGHT (YMP1) 6.3500 IMAGE DISTANCE (BACK) 31.6913
 MARG RAY ANGLE (UMPO) 0.0000 CELL LENGTH (TOTL) 43.5141
 CHIEF RAY HEIGHT (YPP1) -11.1374 F/NUMBER (FNUM) 4.0000
 CHIEF RAY ANGLE (UPP0) 25.0000 GAUSSIAN IMAGE HT(GIHT) 23.6885
 ENTR PUPIL SEMI-APERTURE 6.3500 EXIT PUPIL SEMI-APERTURE 6.4375
 ENTR PUPIL LOCATION 23.8842 EXIT PUPIL LOCATION -19.8086

WAVL (uM) .6562700 .5875600 .4861300
 WEIGHTS 1.000000 1.000000 1.000000

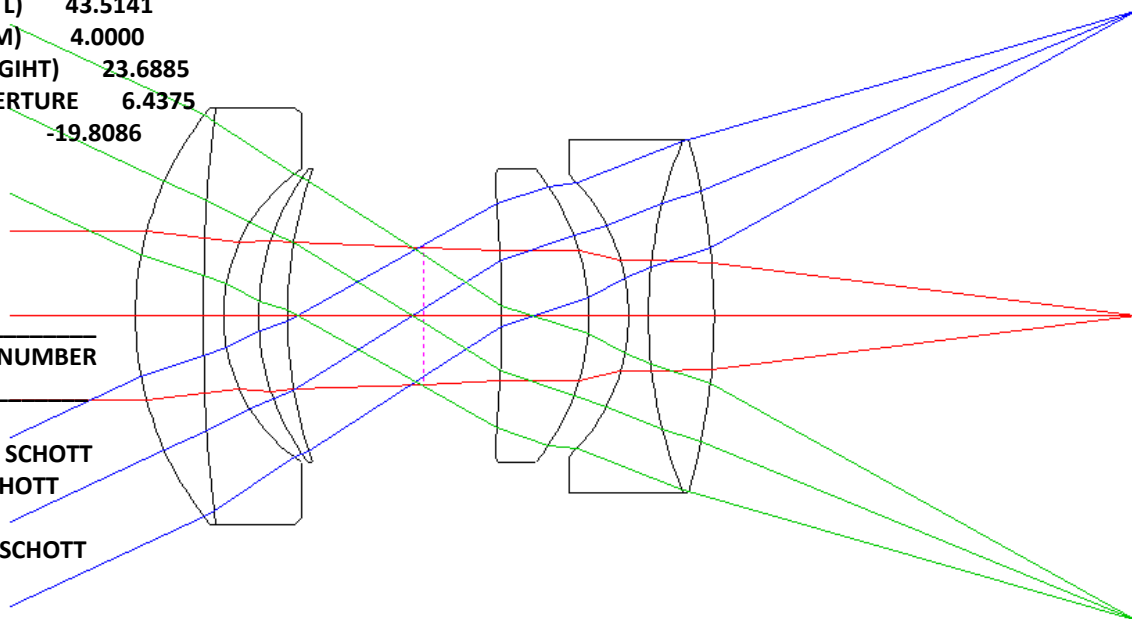
COLOR ORDER 2 1 3

UNITS MM

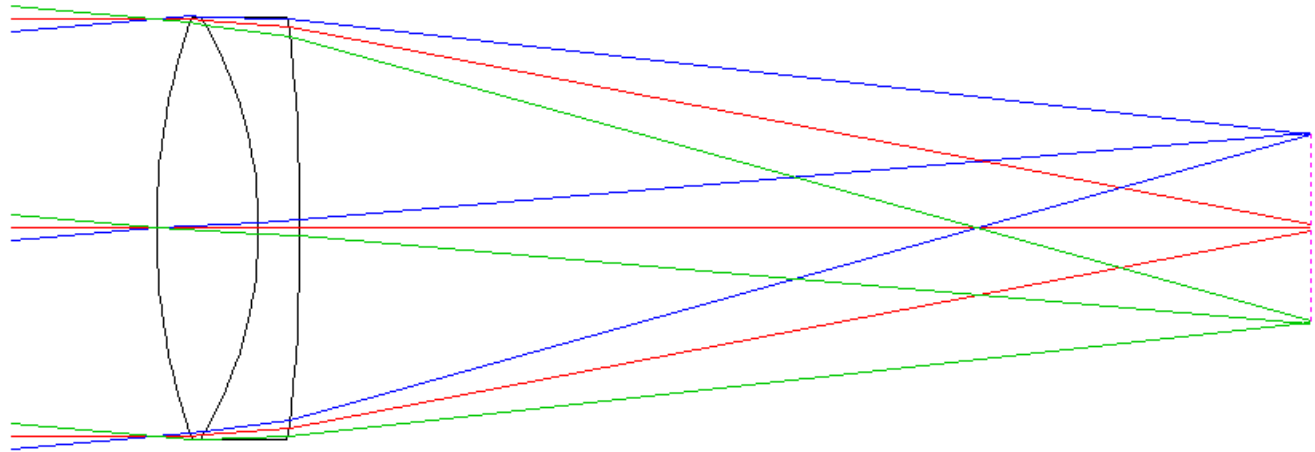
APERTURE STOP SURFACE (APS) 6

SURF	RADIUS	THICKNESS	MEDIUM	INDEX	V-NUMBER
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0	INFINITE	INFINITE	AIR		
1	24.72243	5.09238	LASFN30	1.80318T 46.38	SCHOTT
2	137.67950	1.50000	F2	1.62003T 36.37	SCHOTT
3	13.31392	2.68653	AIR		
4	18.43157	2.14867	LAK16A	1.73349T 51.78	SCHOTT
5	33.22508	10.24106	AIR		
6	INFINITE	5.87291	AIR		
7	-95.04614	6.53615	LAK16A	1.73349P 51.78	
8	-17.34089	3.01004	AIR		
9	-14.79819	1.50000	F2	1.62003P 36.37	
10	35.32789	4.92634	LASFN30	1.80318P 46.38	
11	-47.25000	31.69126	AIR		
IMG	INFINITE				



C



SYSTEM SPECIFICATIONS

OBJECT DISTANCE (TH0)	INFINITE	FOCAL LENGTH (FOCL)	52.3626
OBJECT HEIGHT (YPP0)	INFINITE	PARAXIAL FOCAL POINT	48.6887
MARG RAY HEIGHT (YMP1)	10.0000	IMAGE DISTANCE (BACK)	48.6887
MARG RAY ANGLE (UMP0)	0.0000	CELL LENGTH (TOTL)	6.9200
CHIEF RAY HEIGHT (YPP1)	0.0000	F/NUMBER (FNUM)	2.6181
CHIEF RAY ANGLE (UPP0)	5.0000	GAUSSIAN IMAGE HT(GIHT)	4.5811
ENTR PUPIL SEMI-APERTURE	10.0000	EXIT PUPIL SEMI-APERTURE	10.1690
ENTR PUPIL LOCATION	0.0000	EXIT PUPIL LOCATION	-4.5587

WAVL (uM) .6562700 .5875600 .4861300

WEIGHTS 1.000000 1.000000 1.000000

COLOR ORDER 2 1 3

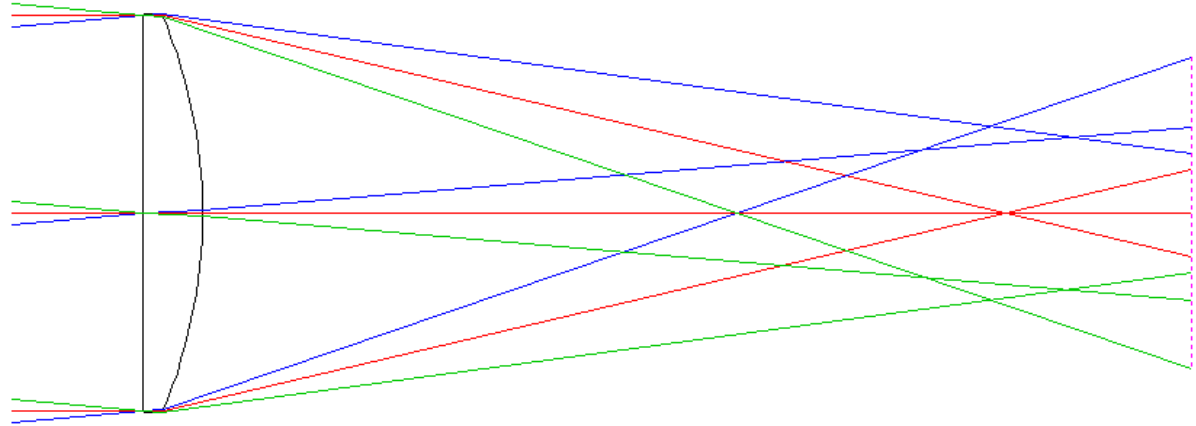
UNITS MM

APERTURE STOP SURFACE (APS) 1

SURF	RADIUS	THICKNESS	MEDIUM	INDEX	V-NUMBER
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0	INFINITE	INFINITE	AIR		
1	31.14112	4.92000	PK3	1.52541	64.67 SCHOTT
2	-19.82198	2.00000	F3	1.61293	37.04 SCHOTT
3	-89.04514	48.68874S	AIR		
IMG	INFINITE				

D



SYSTEM SPECIFICATIONS

OBJECT DISTANCE (TH0)	INFINITE	FOCAL LENGTH (FOCL)	50.0000
OBJECT HEIGHT (YPP0)	INFINITE	PARAXIAL FOCAL POINT	50.0000
MARG RAY HEIGHT (YMP1)	10.0000	IMAGE DISTANCE (BACK)	50.0000
MARG RAY ANGLE (UMP0)	0.0000	CELL LENGTH (TOTL)	3.0000
CHIEF RAY HEIGHT (YPP1)	0.0000	F/NUMBER (FNUM)	2.5000
CHIEF RAY ANGLE (UPP0)	5.0000	GAUSSIAN IMAGE HT(GIHT)	4.3744
ENTR PUPIL SEMI-APERTURE	10.0000	EXIT PUPIL SEMI-APERTURE	10.4119
ENTR PUPIL LOCATION	0.0000	EXIT PUPIL LOCATION	-2.0593

WAVL (uM) .6562700 .5875600 .4861300

WEIGHTS 1.000000 1.000000 1.000000

COLOR ORDER 2 1 3

UNITS MM

APERTURE STOP SURFACE (APS) 1

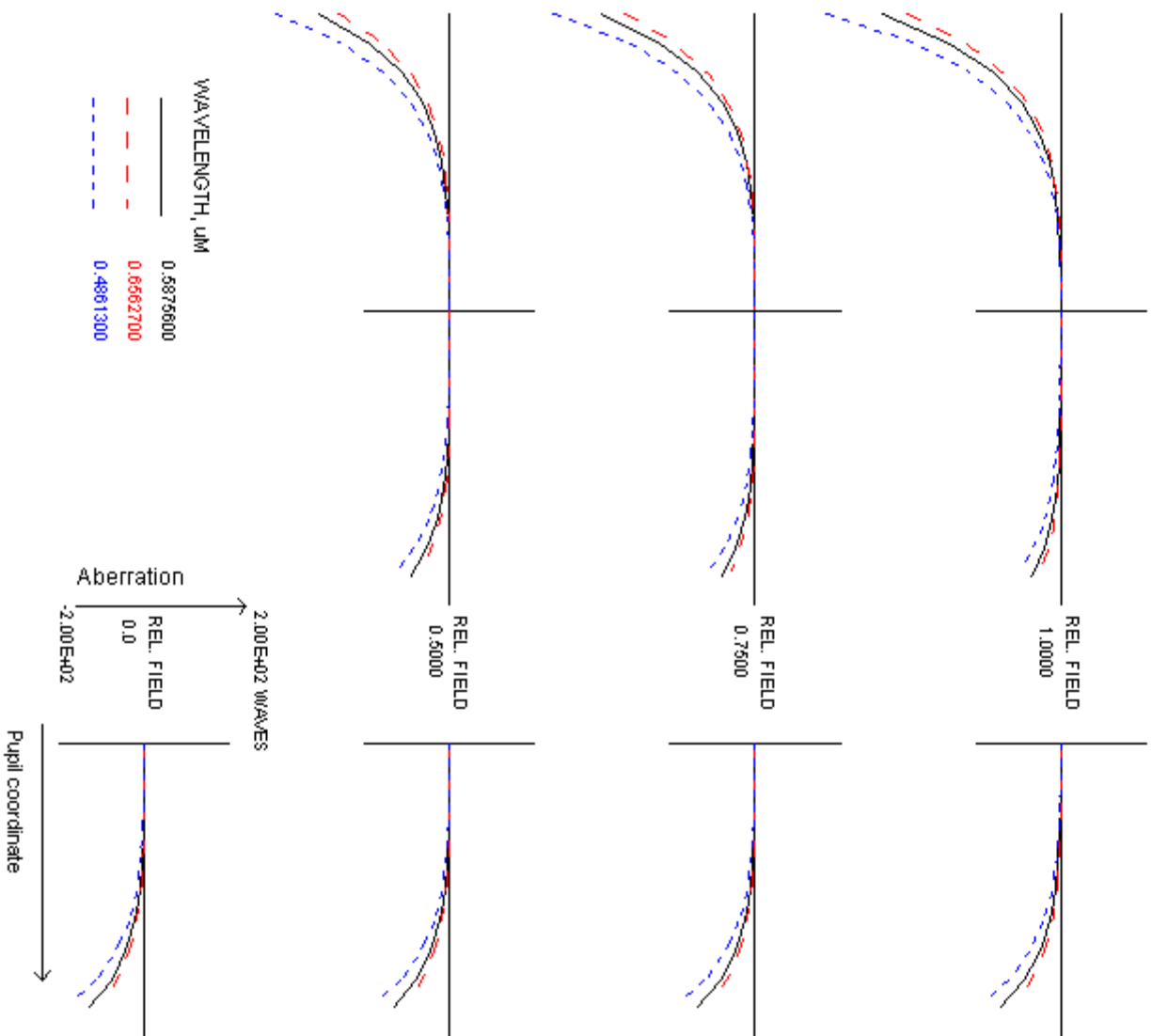
SURF	RADIUS	THICKNESS	MEDIUM	INDEX	V-NUMBER
------	--------	-----------	--------	-------	----------

0	INFINITE	INFINITE	AIR		
1	INFINITE	3.00000	BK7	1.51679	64.17 SCHOTT
2	-25.83972	50.00000S	AIR		
IMG	INFINITE				



TANGENTIAL FAN

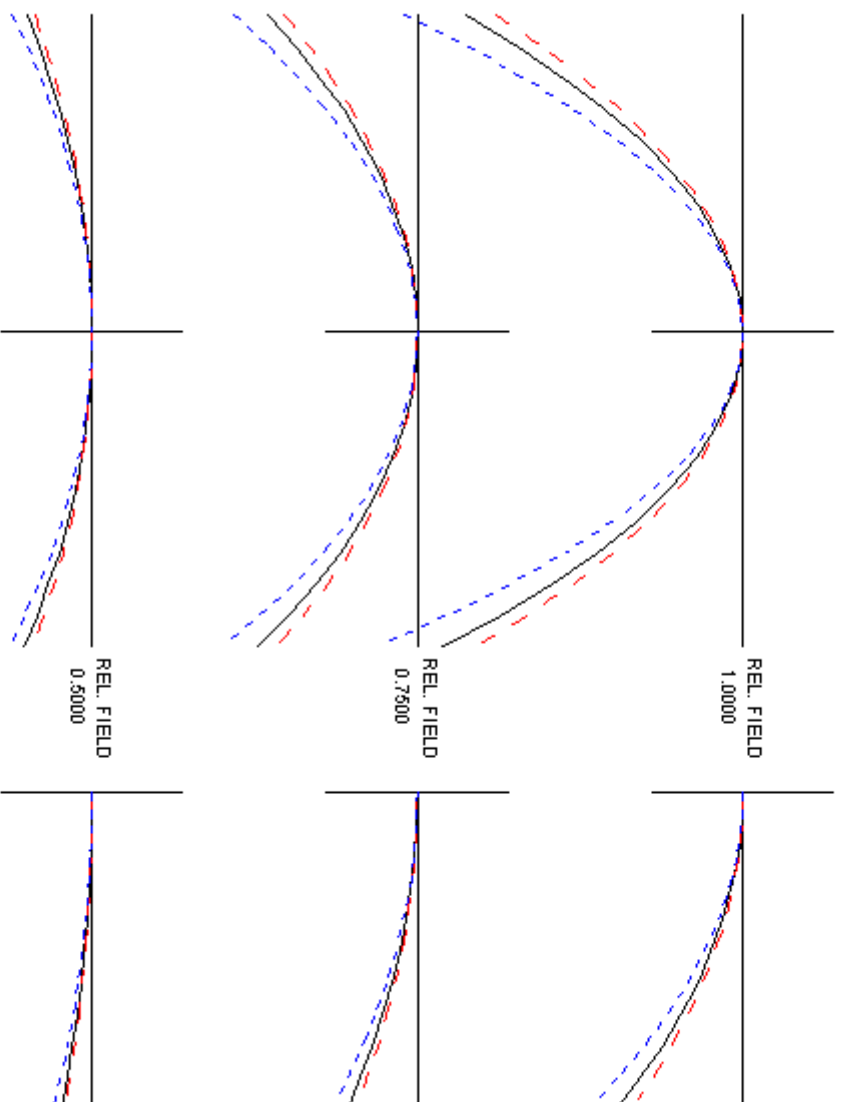
SAGITTAL FAN





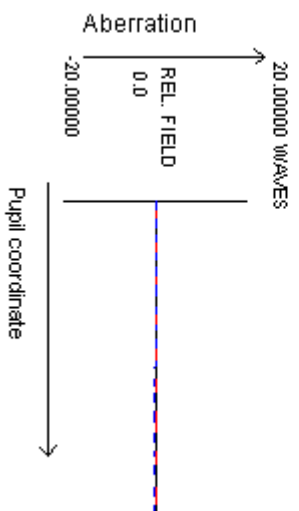
TANGENTIAL FAN

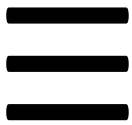
SAGITTAL FAN



WAVELENGTH, μm

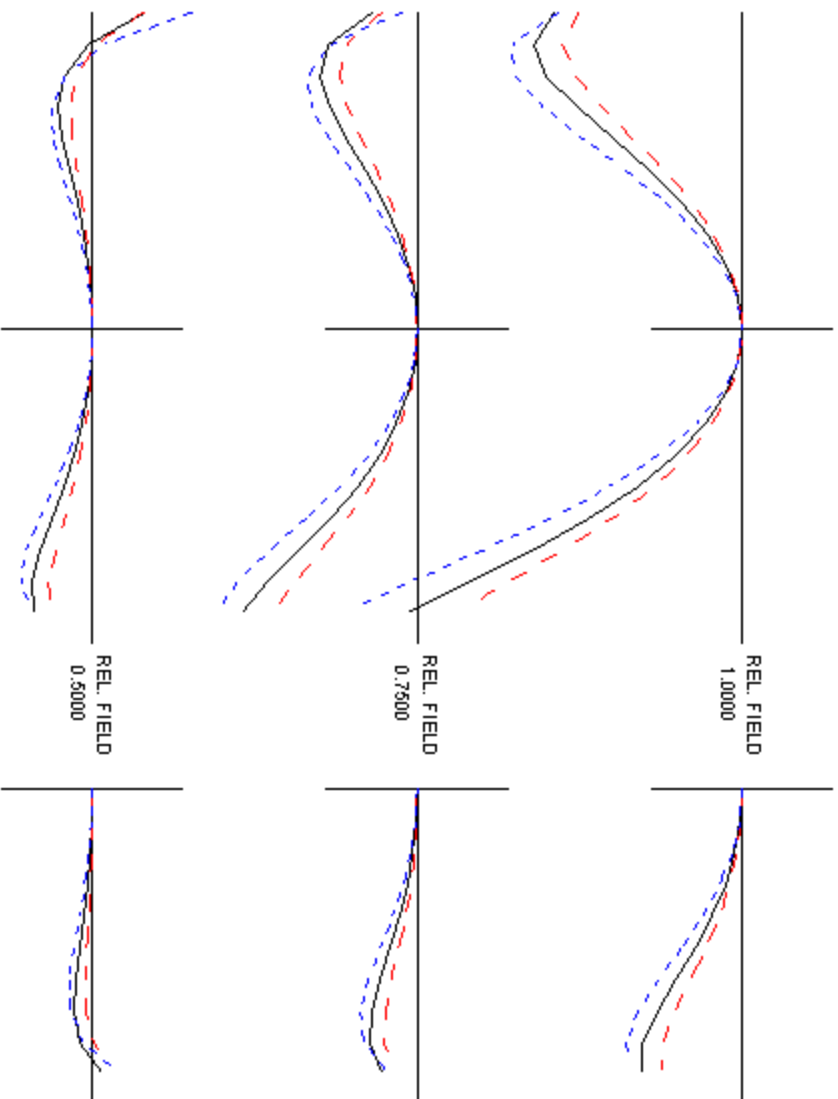
—	0.5875600
- - -	0.6562700
- - -	0.4861300





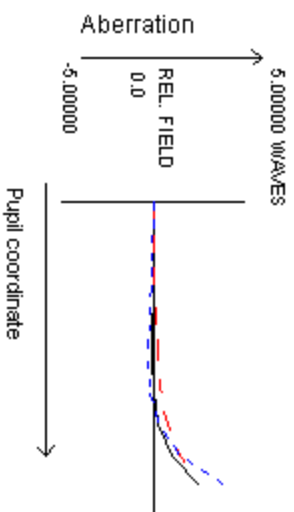
TANGENTIAL FAN

SAGITTAL FAN



WAVELENGTH, μM

—	0.5875600
- - -	0.6562700
- - -	0.4861300



IV

