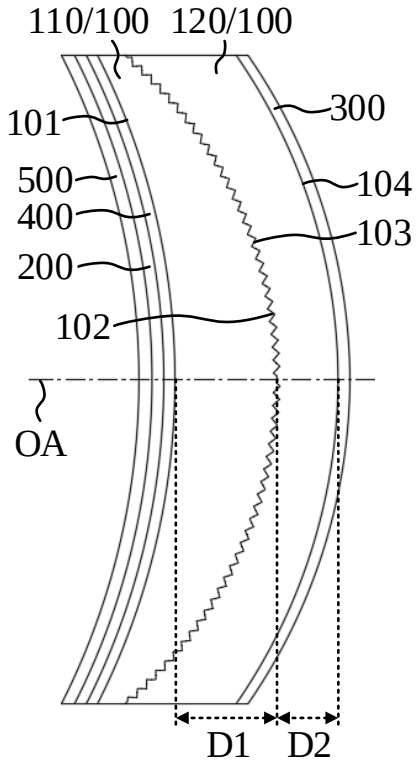

110/100
120/100
101
300
500
104
400
103
200
102
OA
D1
D2

Fig. 1

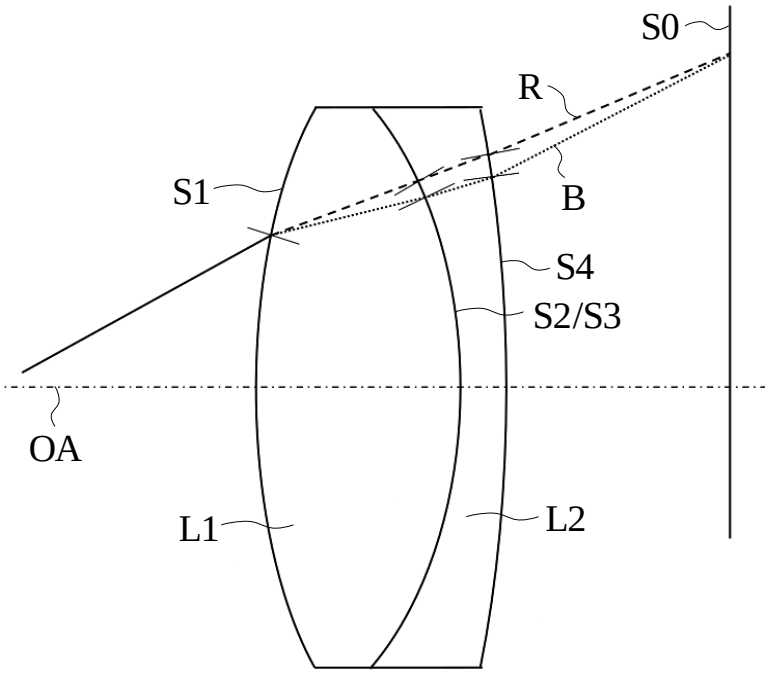

S0
R
S1
B
S4
S2/S3
OA
L1
L2

Fig. 2A

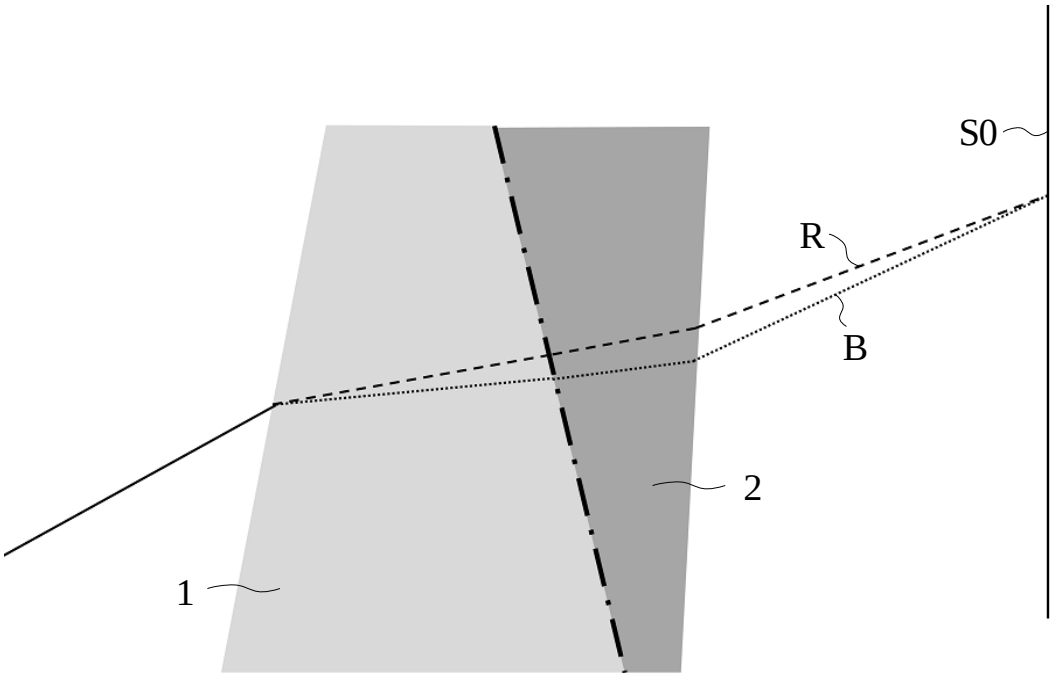


Fig. 2B

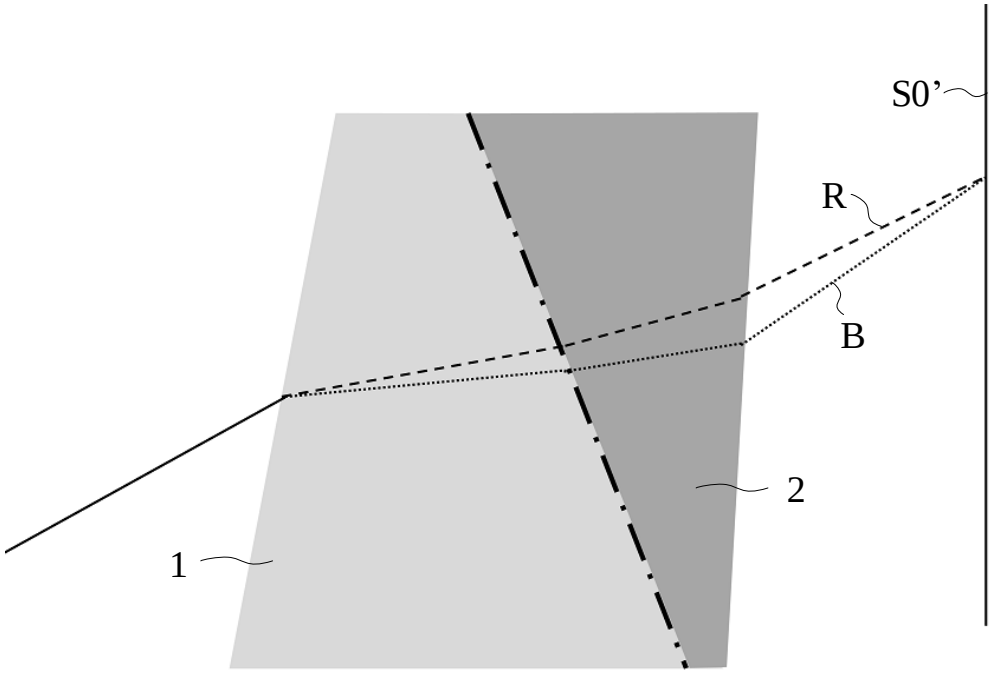


Fig. 2C

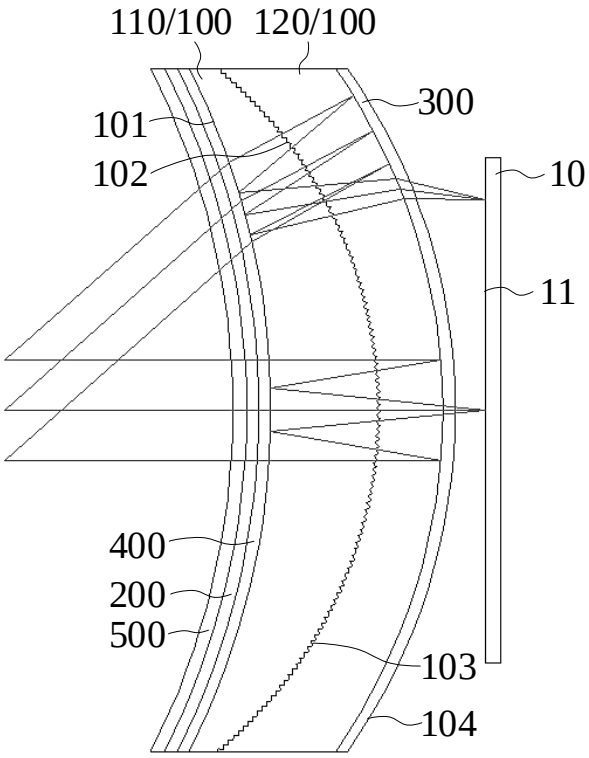

110/100
120/100
300
101
102
10
11
400
200
500
103
104

Fig. 3

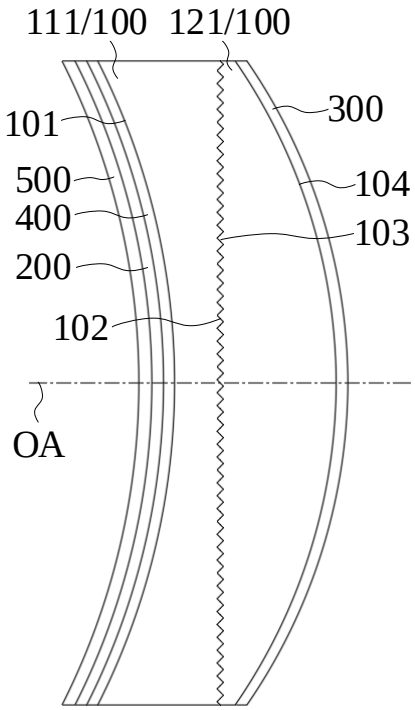

111/100
121/100
300
101
104
500
400
103
200
102
OA

Fig. 4

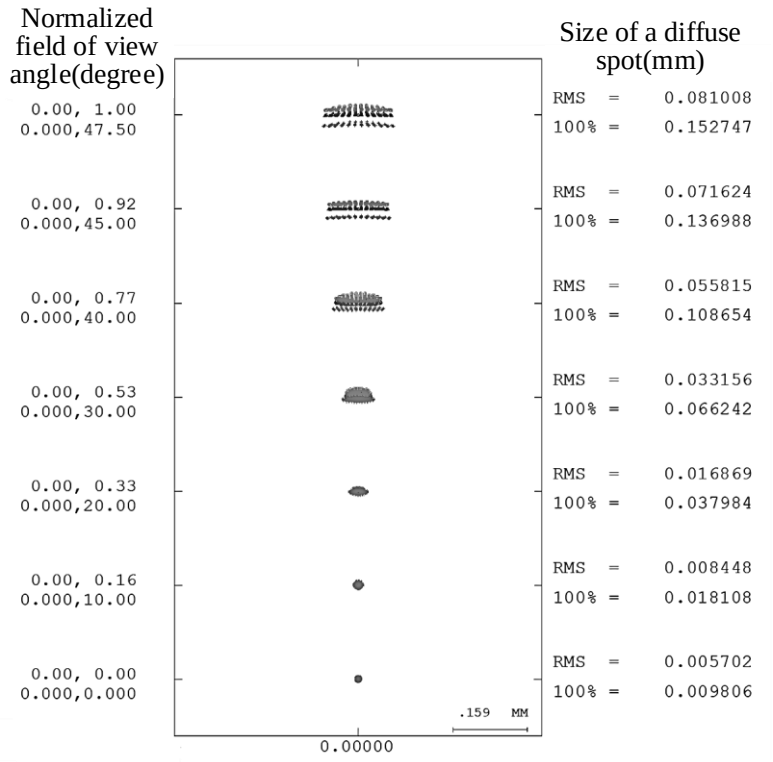

Normalized field of view angle(degree)
Size of a diffuse spot(mm)
0.00, 1.00
0.000,47.50
RMS = 0.081008
100% = 0.152747
0.00, 0.92
0.000,45.00
RMS = 0.071624
100% = 0.136988
0.00, 0.77
0.000,40.00
RMS = 0.055815
100% = 0.108654
0.00, 0.53
0.000,30.00
RMS = 0.033156
100% = 0.066242
0.00, 0.33
0.000,20.00
RMS = 0.016869
100% = 0.037984
0.00, 0.16
0.000,10.00
RMS = 0.008448
100% = 0.018108
0.00, 0.00
0.000,0.000
RMS = 0.005702
100% = 0.009806
.159 MM
0.00000

Fig. 5A

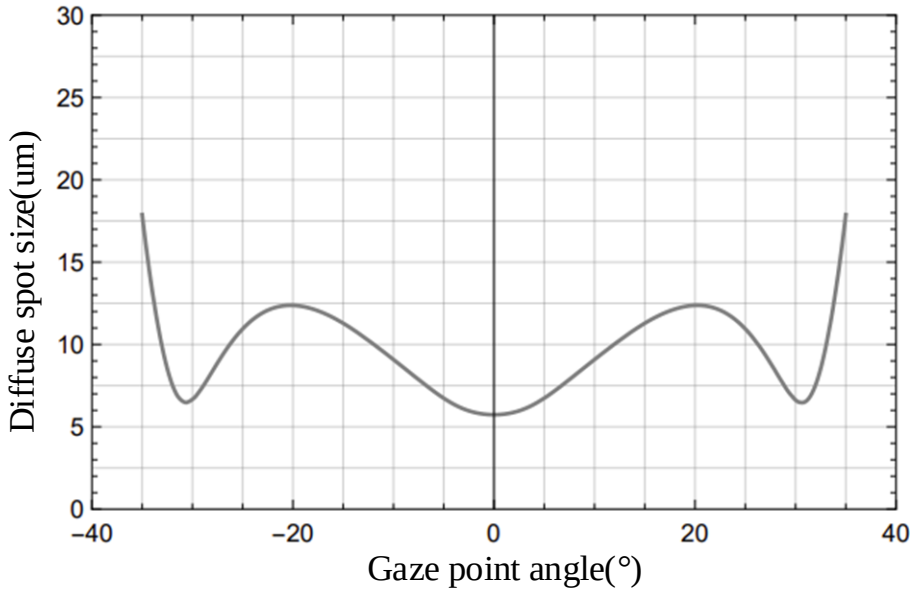

Diffuse spot size(um)
30
25
20
15
10
5
0
-40
-20
0
20
40
Gaze point angle(°)

Fig. 5B

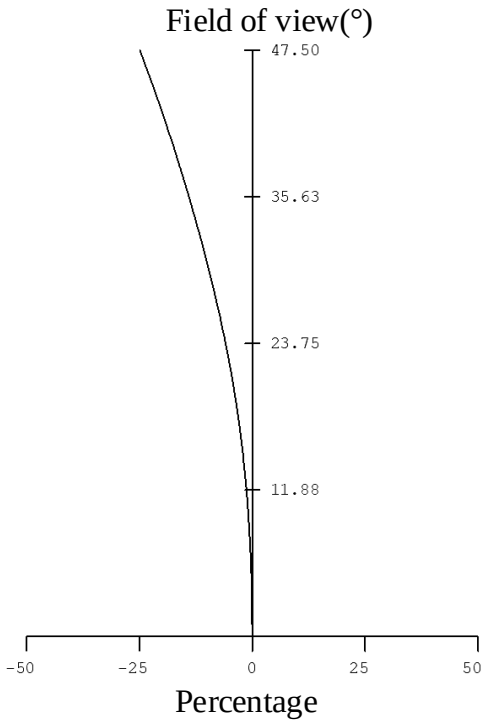

Field of view(°)
47.50
35.63
23.75
11.88
-50
-25
0
25
50
Percentage

Fig. 5C

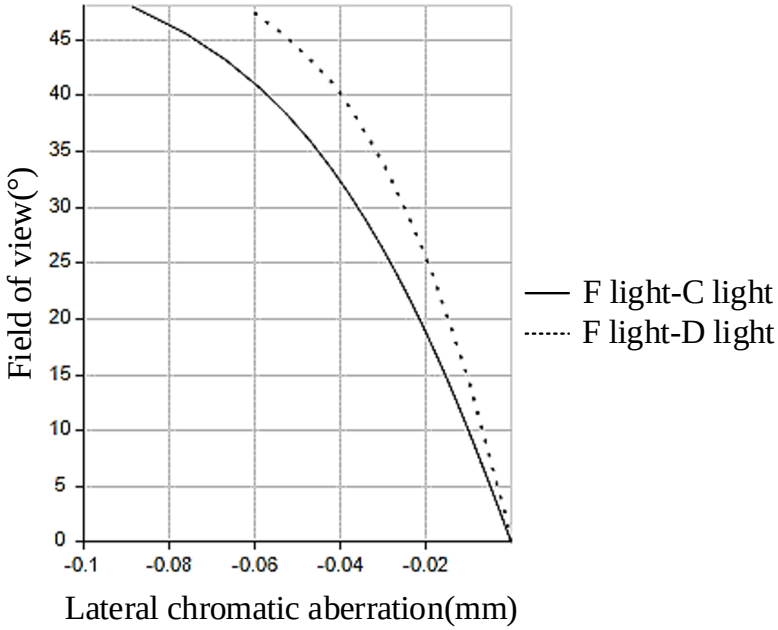

Field of view(°)
45
40
35
30
25
20
15
10
5
0
-0.1
-0.08
-0.06
-0.04
-0.02
Lateral chromatic aberration(mm)
F light-C light
F light-D light

Fig. 5D

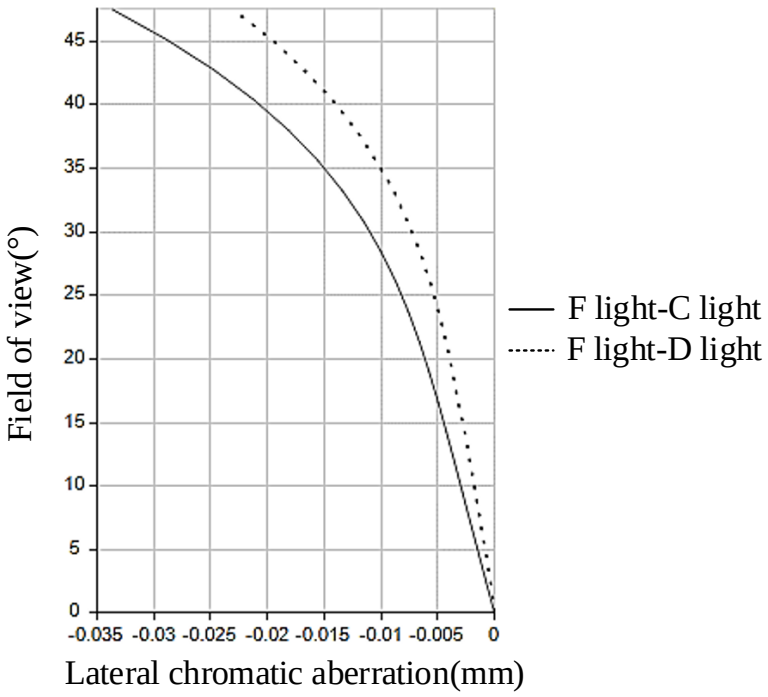

Field of view(°)
45
40
35
30
25
20
15
10
5
0
-0.035 -0.03 -0.025 -0.02 -0.015 -0.01 -0.005 0
Lateral chromatic aberration(mm)
F light-C light
F light-D light

Fig. 5E

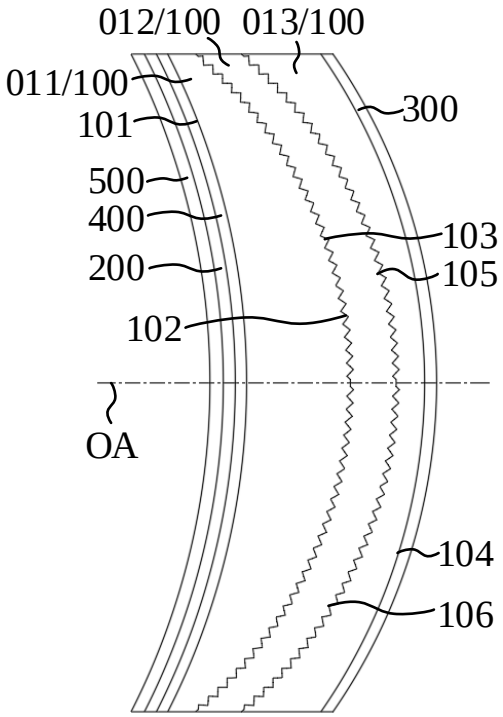

012/100
013/100
011/100
101
500
400
200
102
OA
300
103
105
104
106

Fig. 6

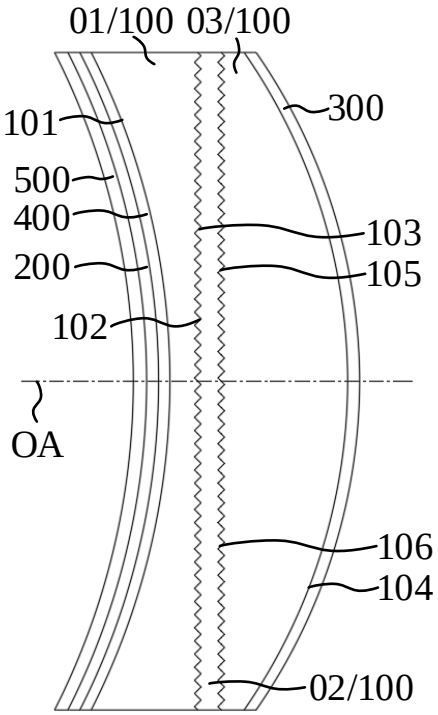


Fig. 7