

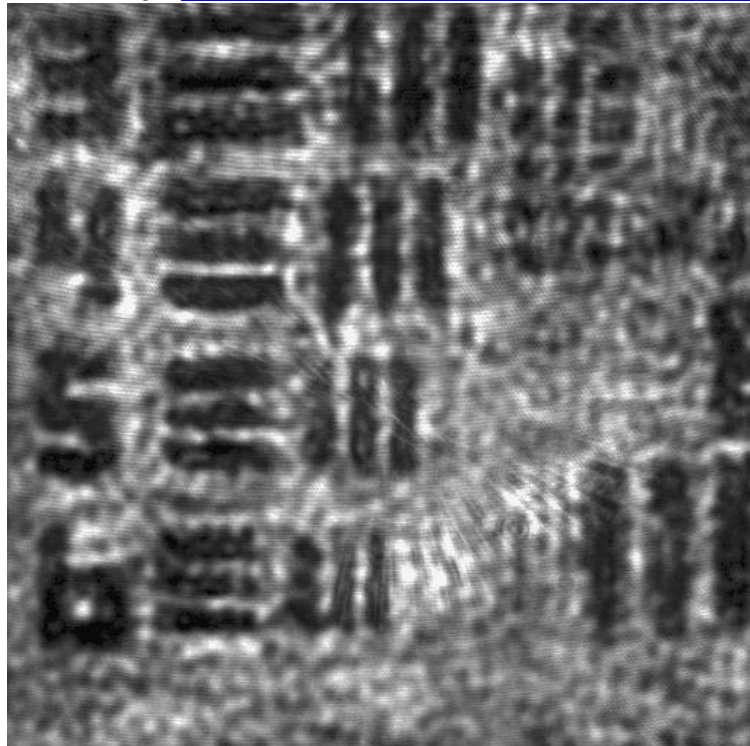
4 lens scheme test result

2019年5月13日 15:39

Test with thickness=4mm viewport

Group 8 Element6 Bar/Space Width=1.09um

Test with target (<https://www.newport.com.cn/f/high-resolution-test-targets>)



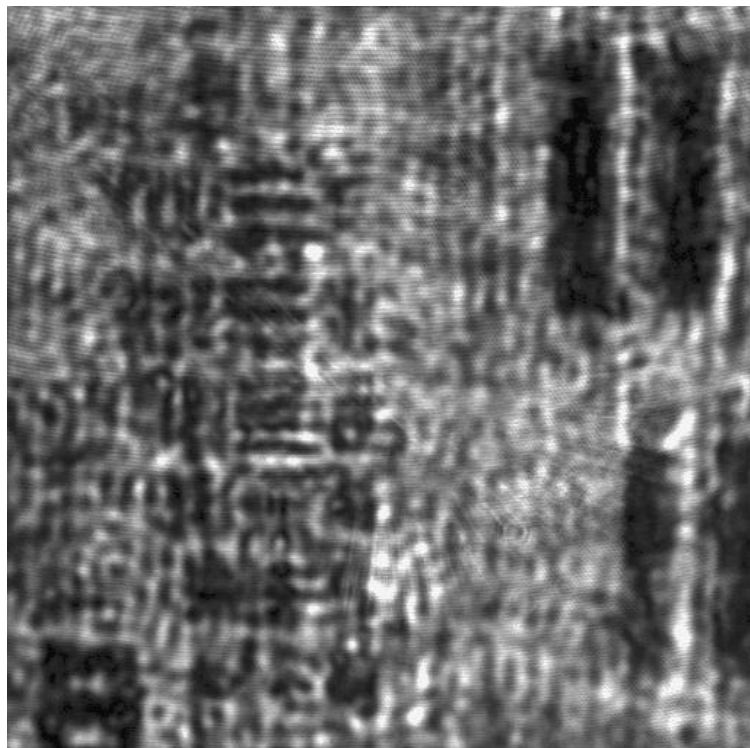
Objective focal length=27.1mm, NA=0.33

Test setup: magnification=650/25 *200/27.1=192

Bar width 13pixel(pixel size:8mm/512=15.6um) ~experiment result:203um

Theoretical:192*1.09=209um bar width measurement error:3%

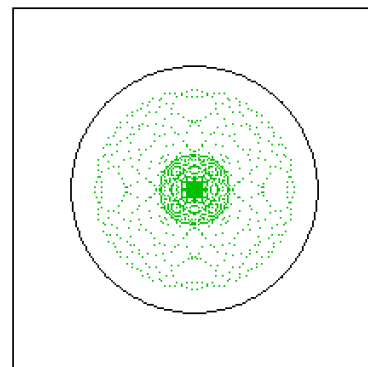
Group 9 is not clear.



Simulation:

GEOMETRICAL
RMS R SIZE
0.0002902

DIFFRACTION
LIMIT
0.0006769



Diameter of airy disk:2*6.8um=1.36um

Test setup:

