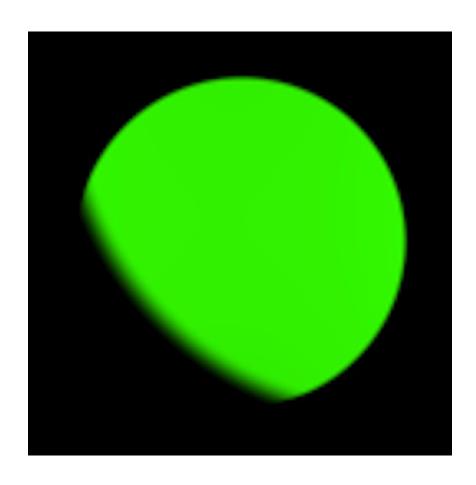


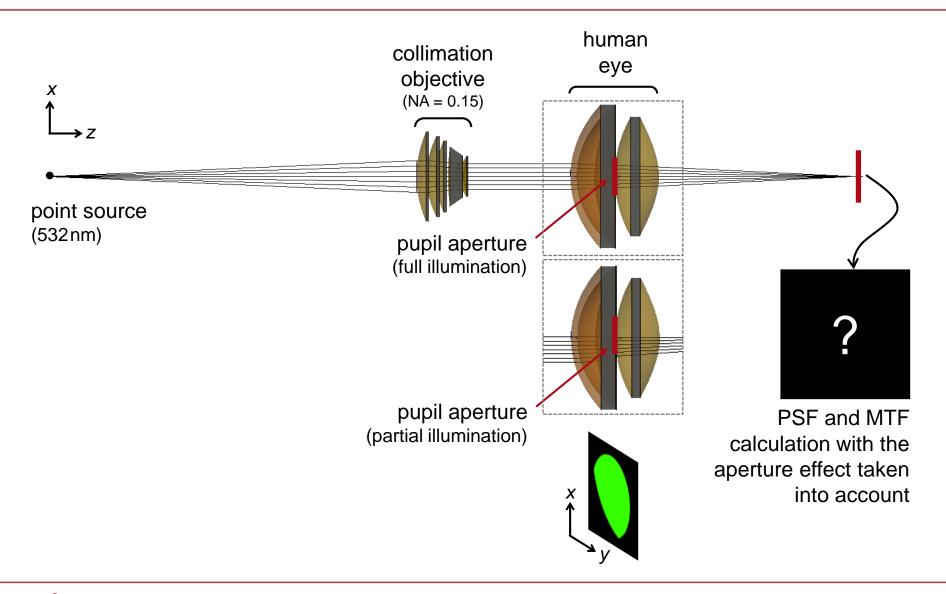
# **Advanced PSF and MTF Calculation of Imaging System**

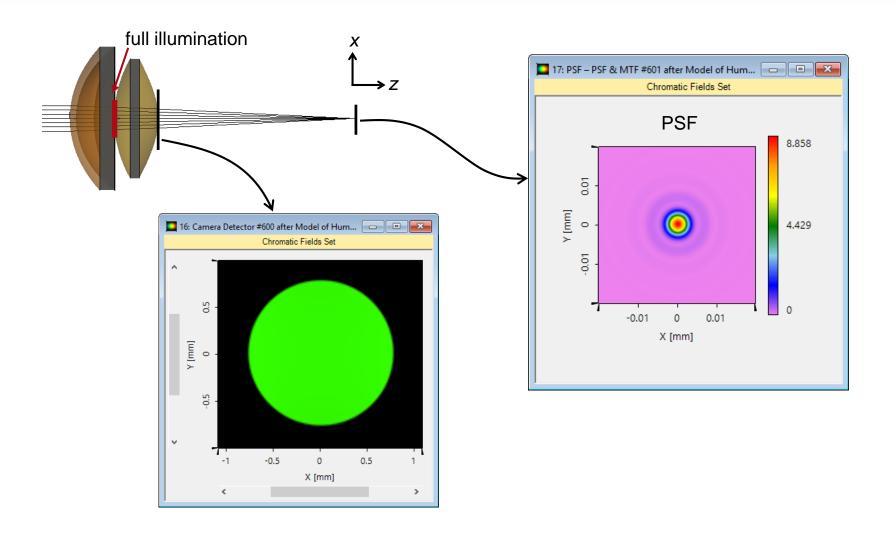
#### **Abstract**

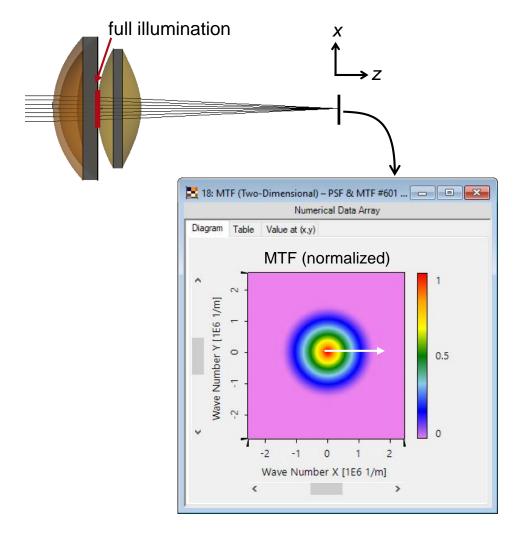


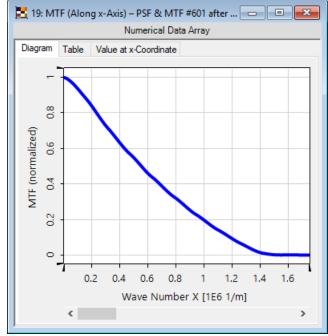
For practical imaging systems, their performance can be greatly affected by the apertures. In different system setups and under different illumination conditions, the actual shape of the apertures may vary a lot. To investigate such effects, an imaging system consisting of a collimation objective and human eye is modeled. By changing the illumination conditions, the cases with fully and partially illuminated apertures are studied by checking the **PSF** and MTF.

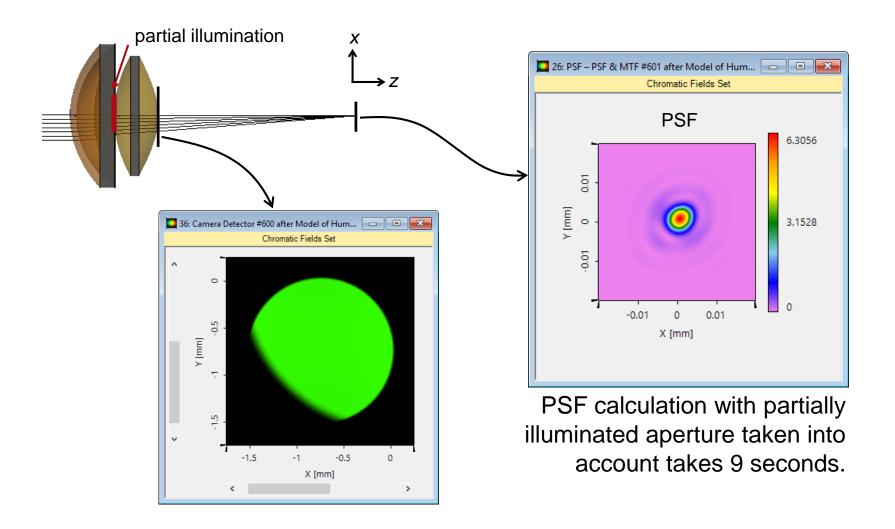
### **Modeling Task**

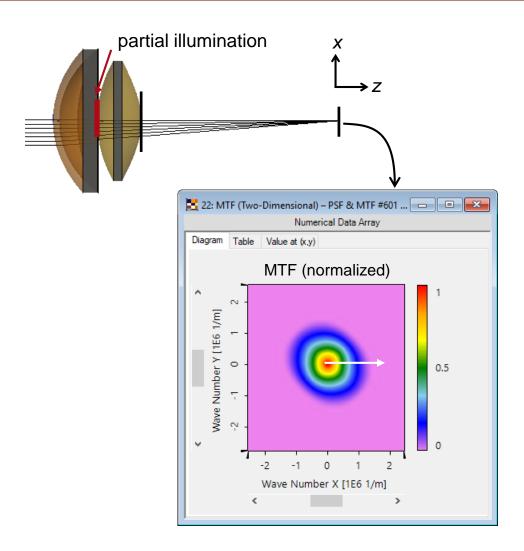




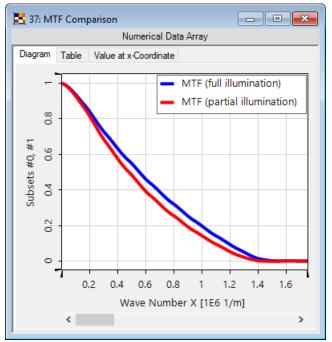








# comparison between MTFs with full and partial illumination of the aperture



### **Document Information**

title	Advanced PSF and MTF Calculation of Imaging System
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category	Application Use Case