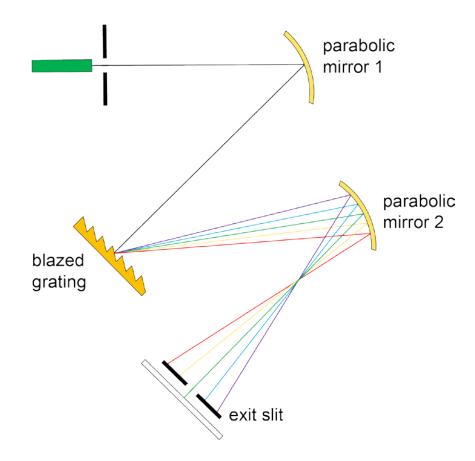


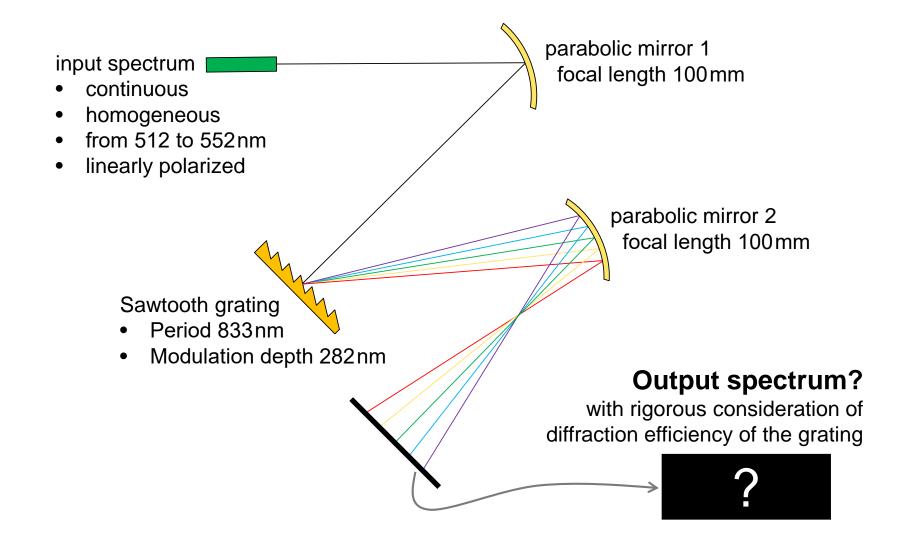
Czerny-Turner Monochromator

Abstract

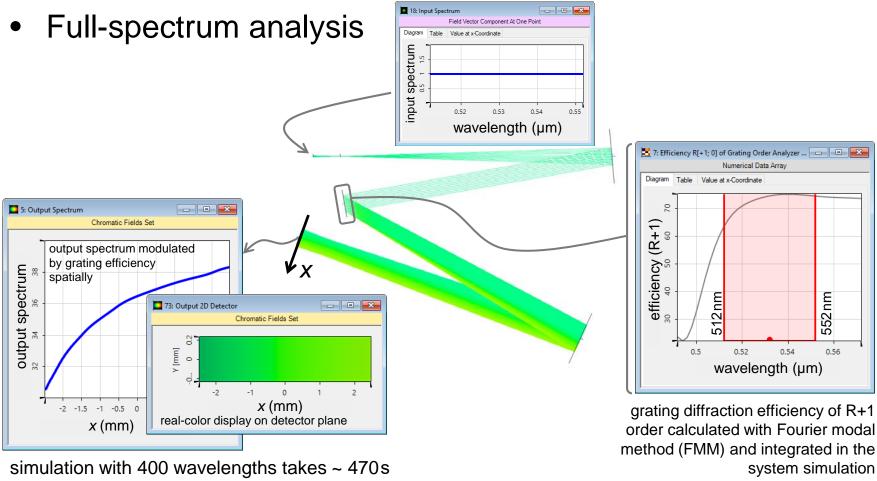


Czerny–Turner monochromator is widely used to analysis the spectral information of light sources. Typically, a parabolic mirror is used to collimated the source first, and then a diffraction grating will spatially separate the colors spatially. Only selected color is directed to the exit slit. A simulation of the complete monochromator, including real reflective mirrors and diffractive gratings is presented, especially with the grating modeled with Fouriere modal method (FMM).

Modeling Task



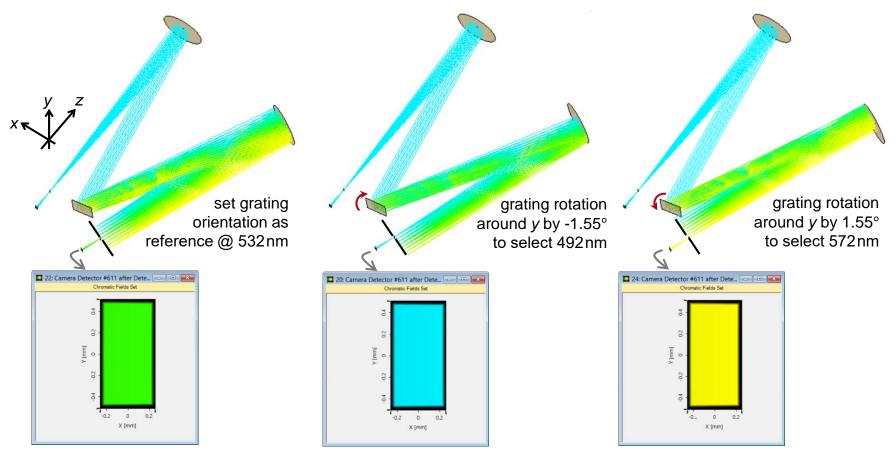
Results



single-wavelength simulation takes ~1s

Results





Document Information

title	Czerny-Turner Monochromator
version	1.0
VL version used for simulations	7.0.3.4
category	Application Use Case