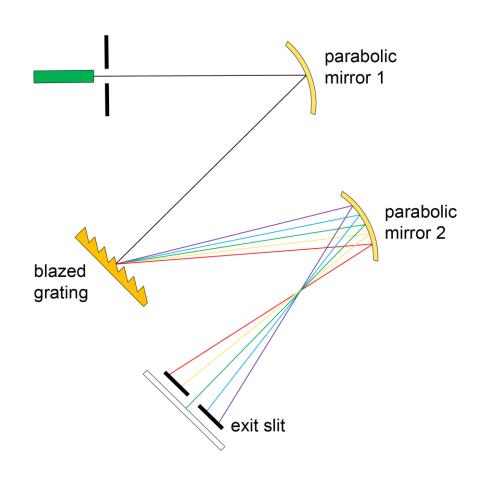


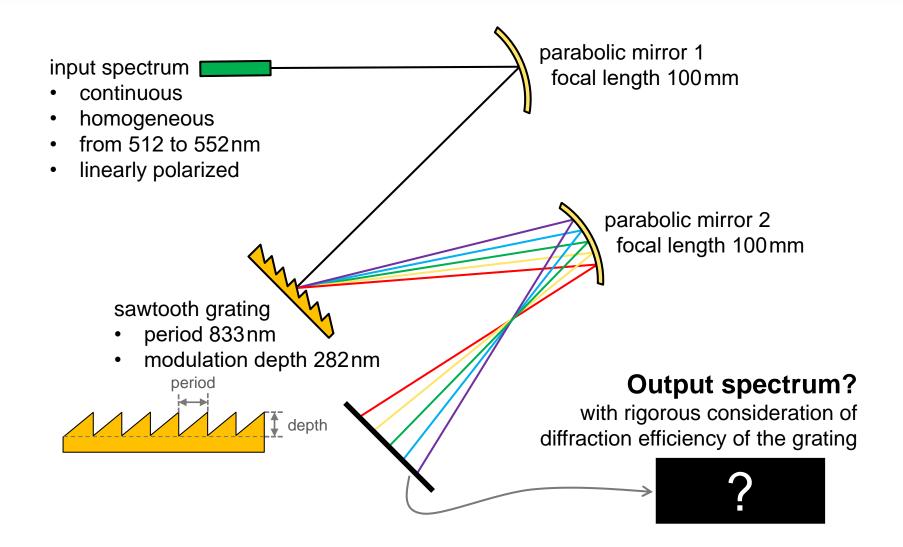
# **Czerny-Turner Setup**

#### **Abstract**

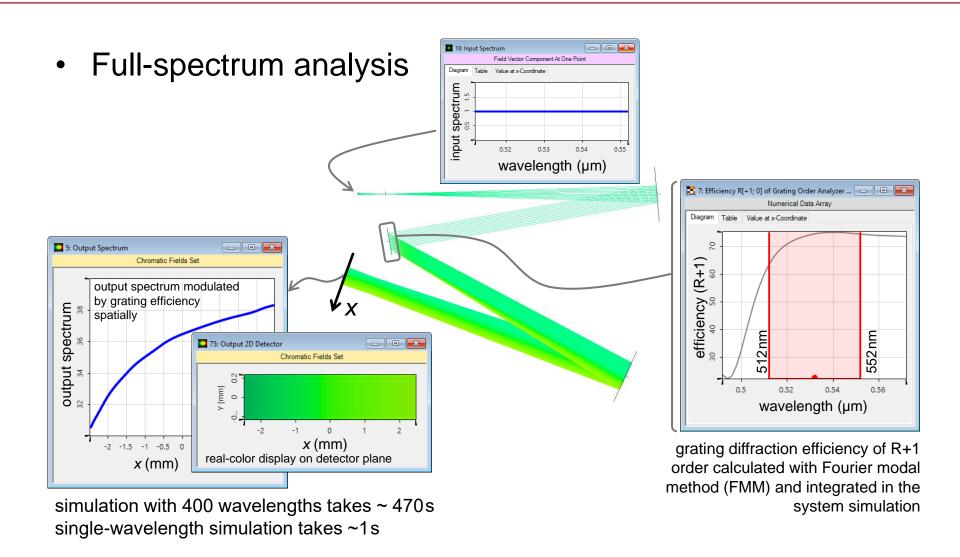


Czerny-Turner setup is widely used to analysis the spectral information of light sources. Typically, a parabolic mirror is used to collimated the source first, and then a diffraction grating will spatially separate the colors spatially. By setting an exit slit properly, a specific color can be selected. A simulation of the complete Czerny-Turner setup, including real reflective mirrors and diffractive gratings is presented, especially with the grating modeled with Fourier modal method (FMM).

## **Modeling Task**

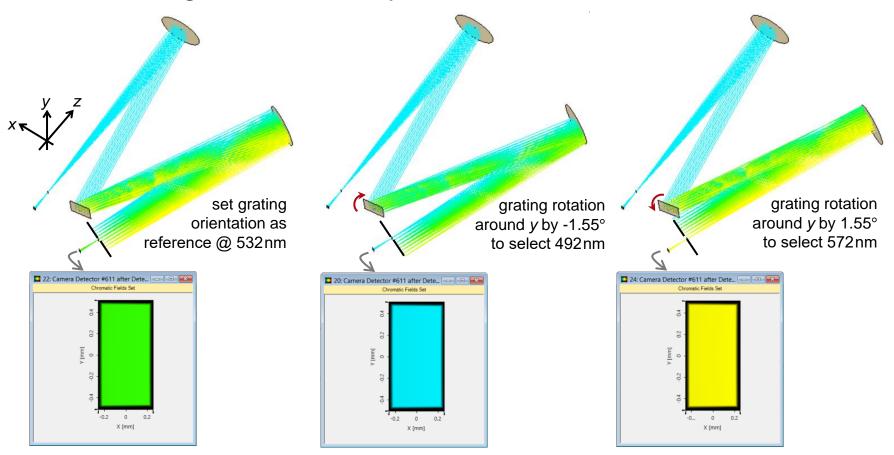


#### Results



#### Results

Wavelength selection by exit slit



### **Document Information**

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