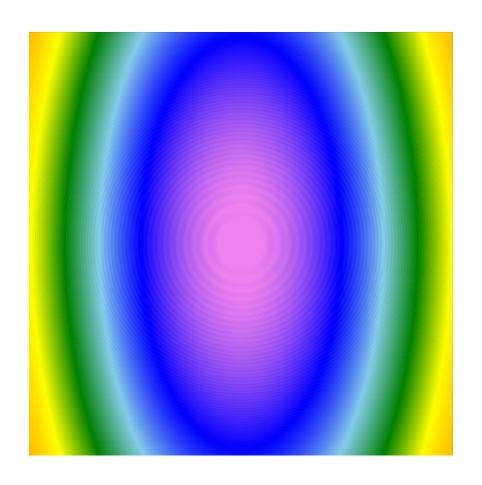


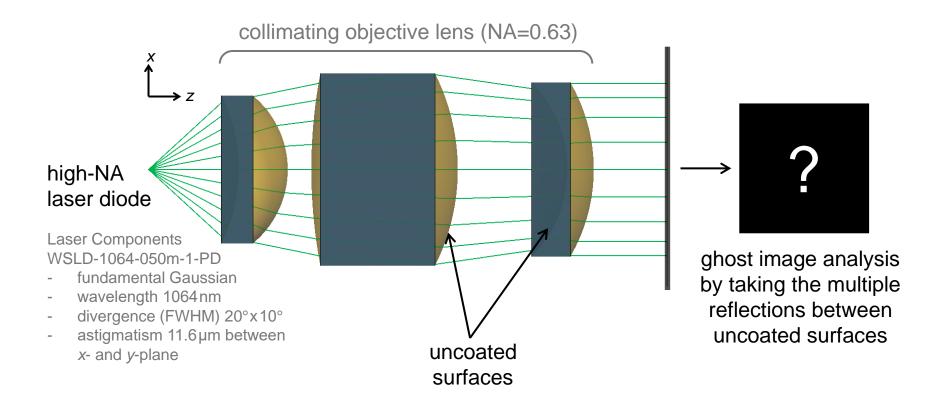
Investigation of Ghost Imaging Effects in Collimation System

Abstract

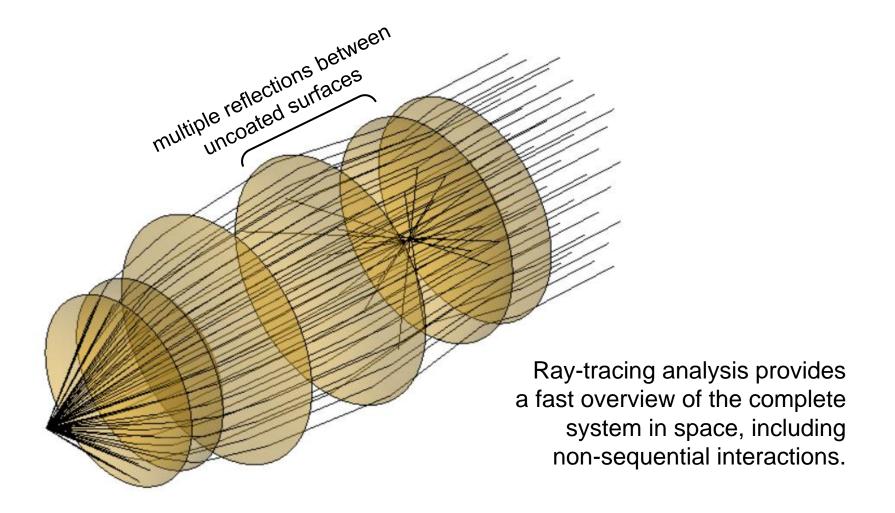


In any optical system there are always stray light which causes ghost images. Stray light may come from different effect, like undesired reflections and scattering. A collimation lens system for high-NA laser diode is taken as an example. By using the non-sequential tracing technique in VirtualLab, the effect from the surface coating is studied. It is shown that the multiple reflections between uncoated surfaces may cause interference pattern in the collimated beam.

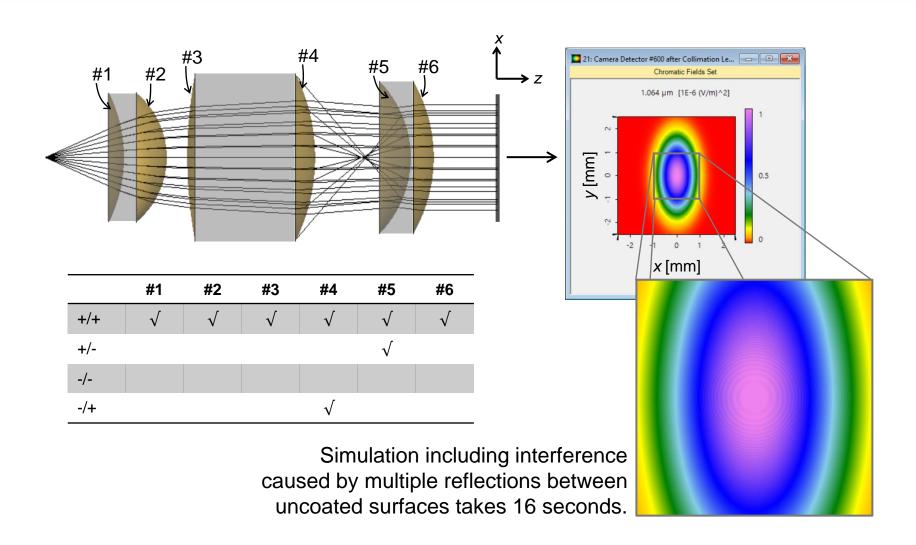
Modeling Task



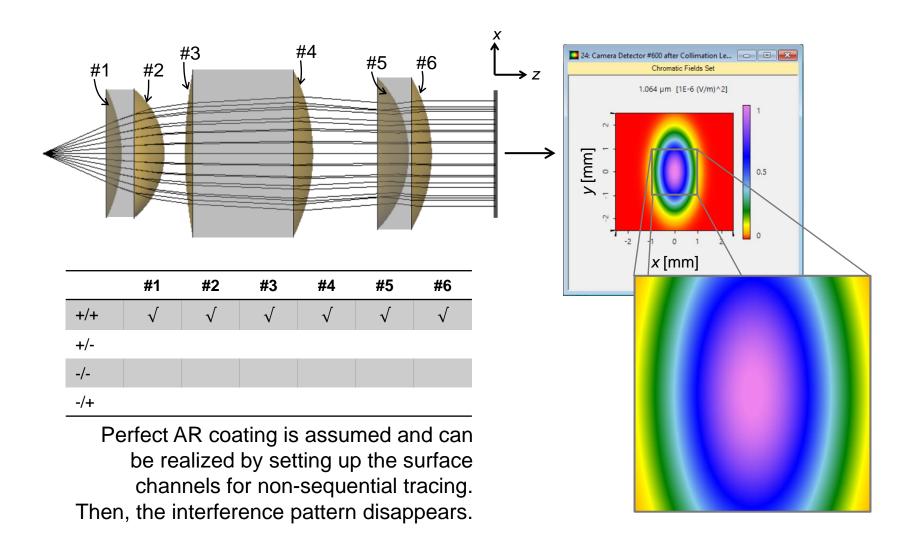
Results



Results



Results



Document Information

title	Investigation of Ghost Imaging Effects in Collimation System
version	1.0
VL version used for simulations	7.3.0.41
category	Technology Use Case