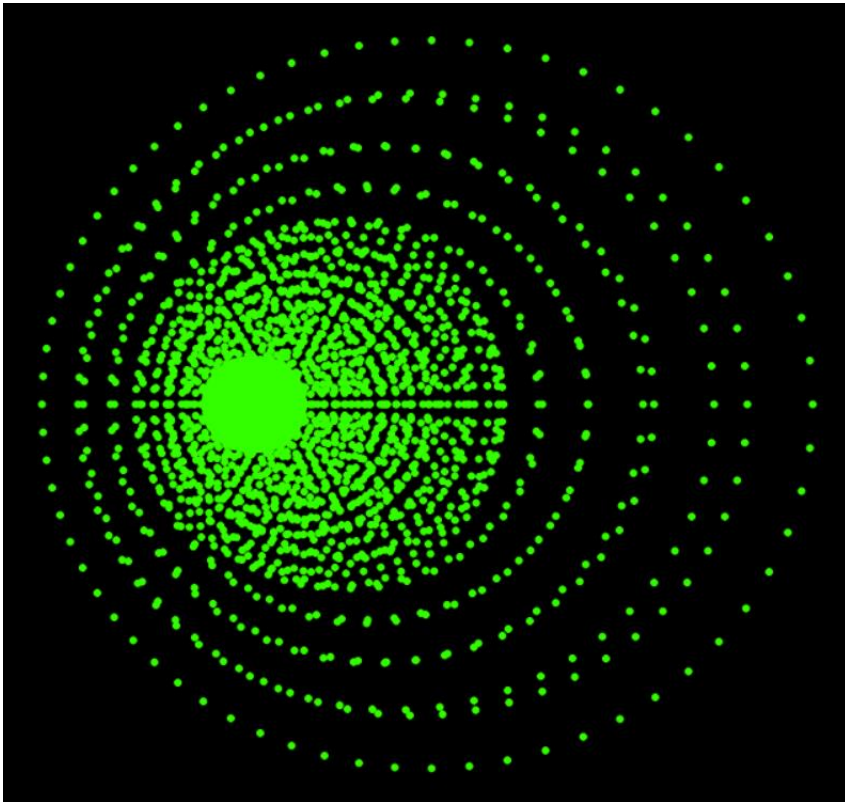


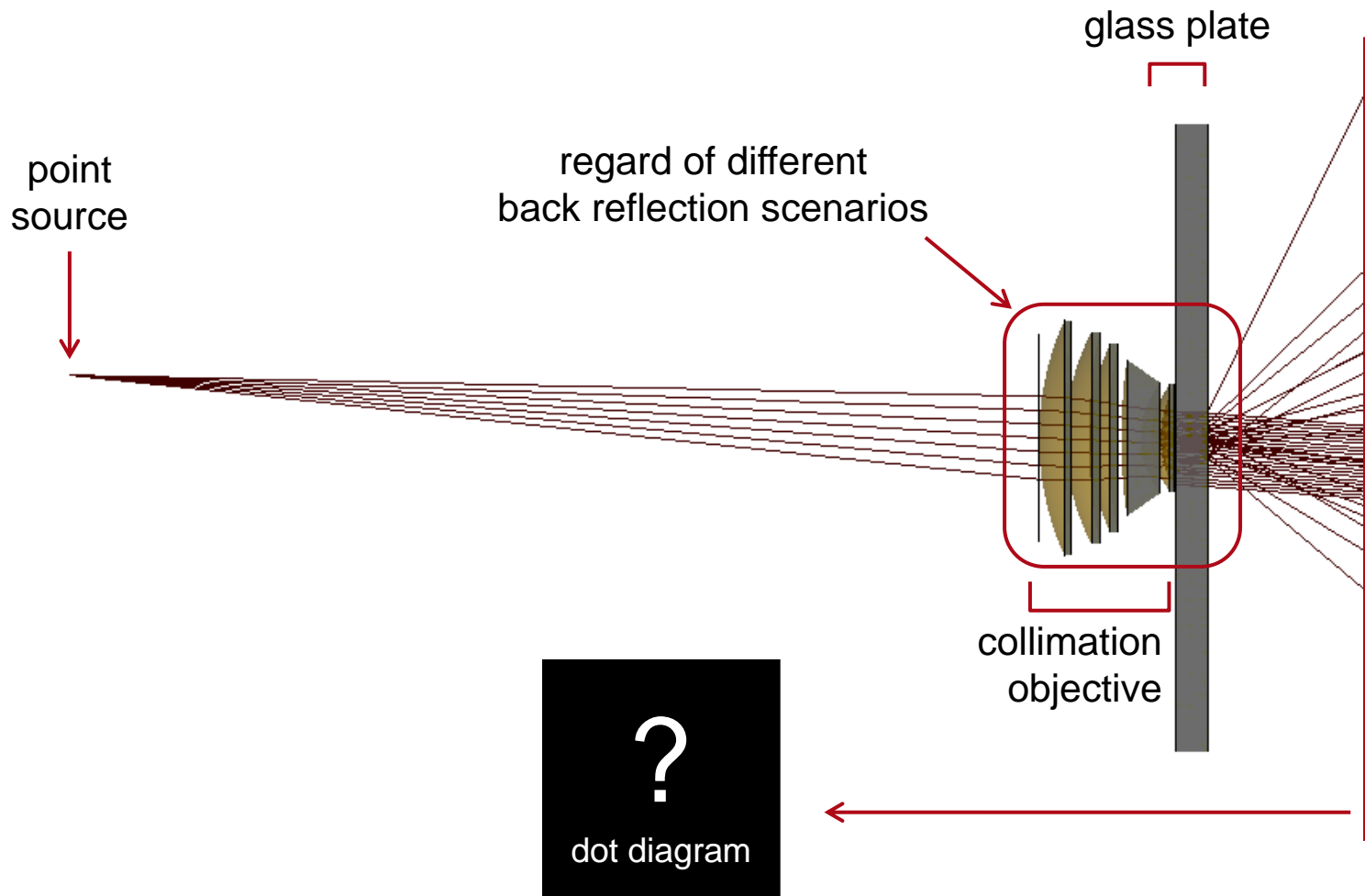
Non-Sequential Ray Tracing Analysis of Glass Plate

Abstract

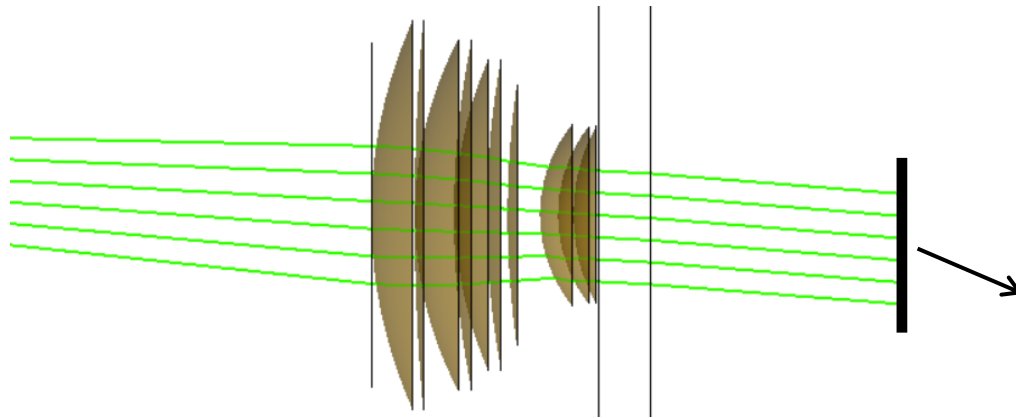


For many optical systems, a full analysis of them must include the multiple reflections between surfaces and components. By using the non-sequential tracing technique in VirtualLab, the ray tracing analysis of a glass plate is performed. With the channel concept, one can flexibly switch between sequential and non-sequential tracing, and control the region of interests. Examples on non-sequential ray tracing within the glass plate, as well as between the lens surface and the glass plate are presented.

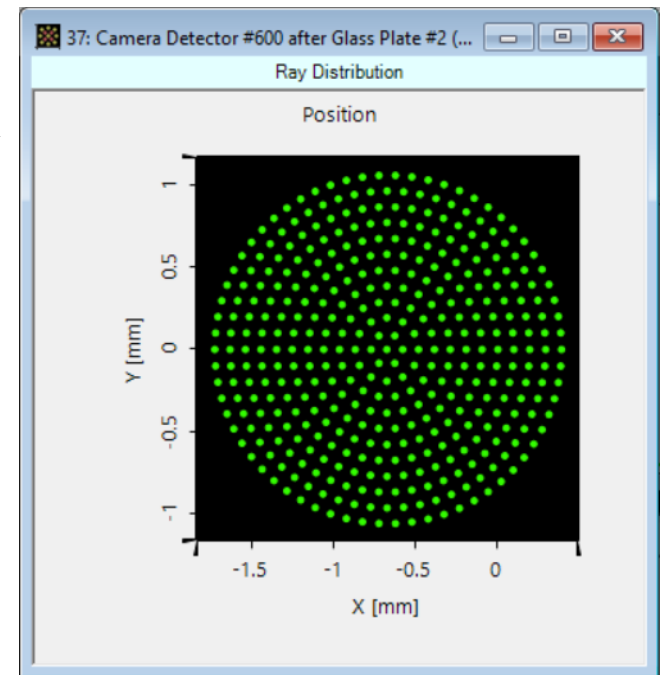
Modeling Task



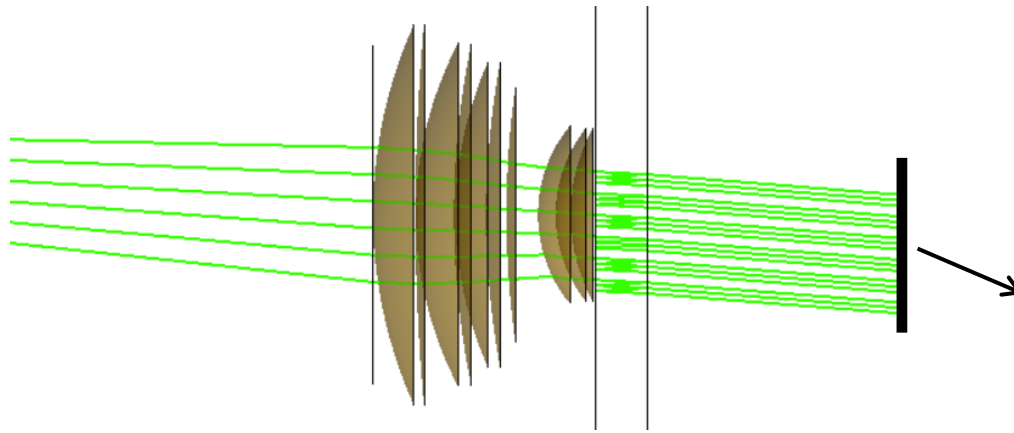
Results



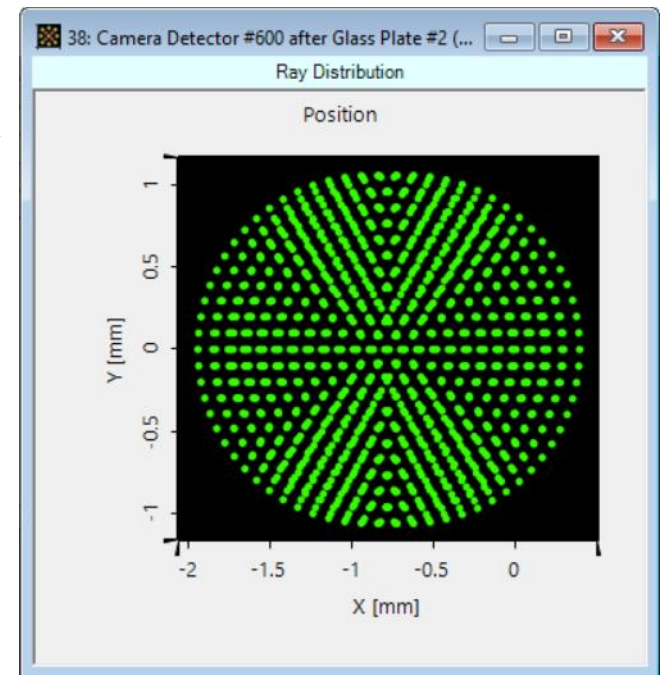
sequential ray tracing, with only transmission channels considered



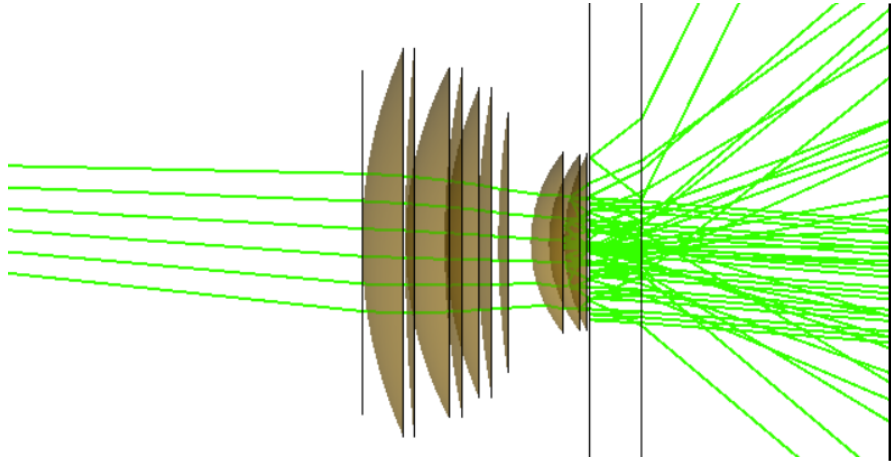
Results



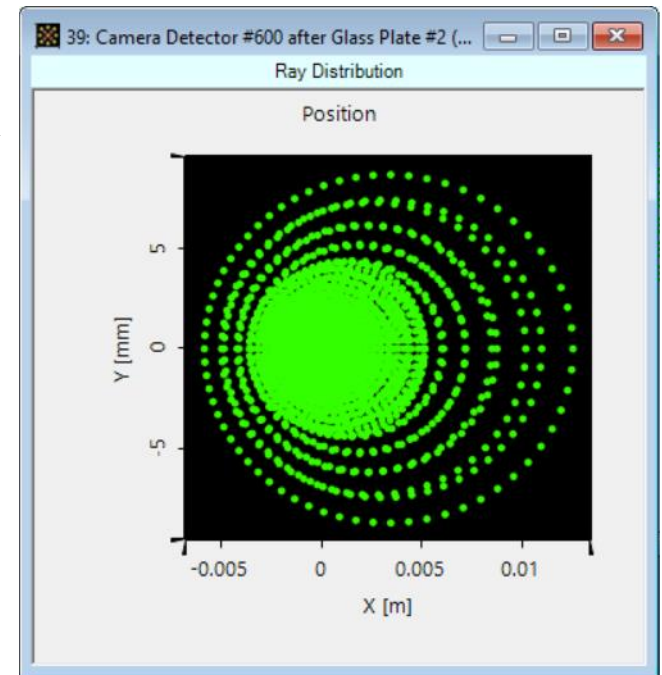
non-sequential ray tracing within the glass plate, with no reflections between objective and glass plate



Results



non-sequential ray tracing, with
also the reflections between
objective and glass plate



Document Information

title	Non-Sequential Ray Tracing Analysis of Glass Plate
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