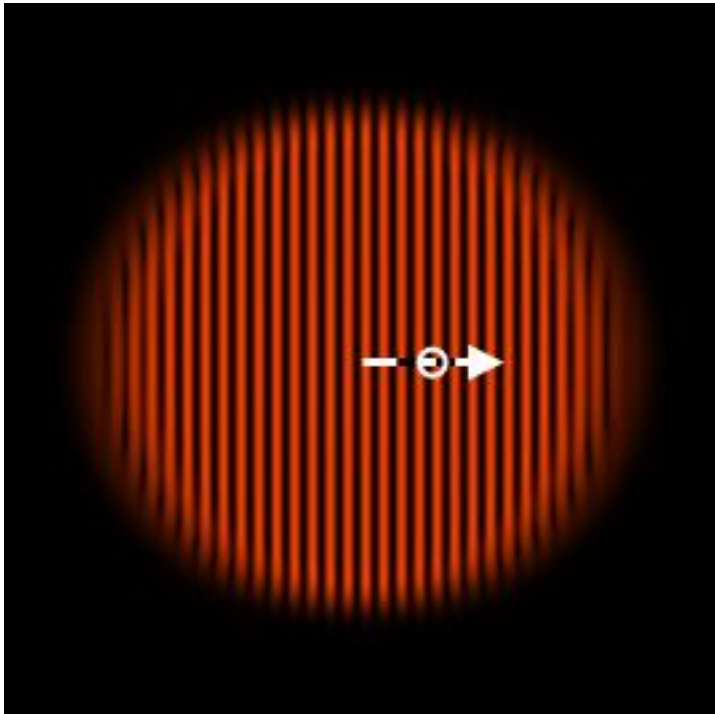


Modeling of Talbot Effect

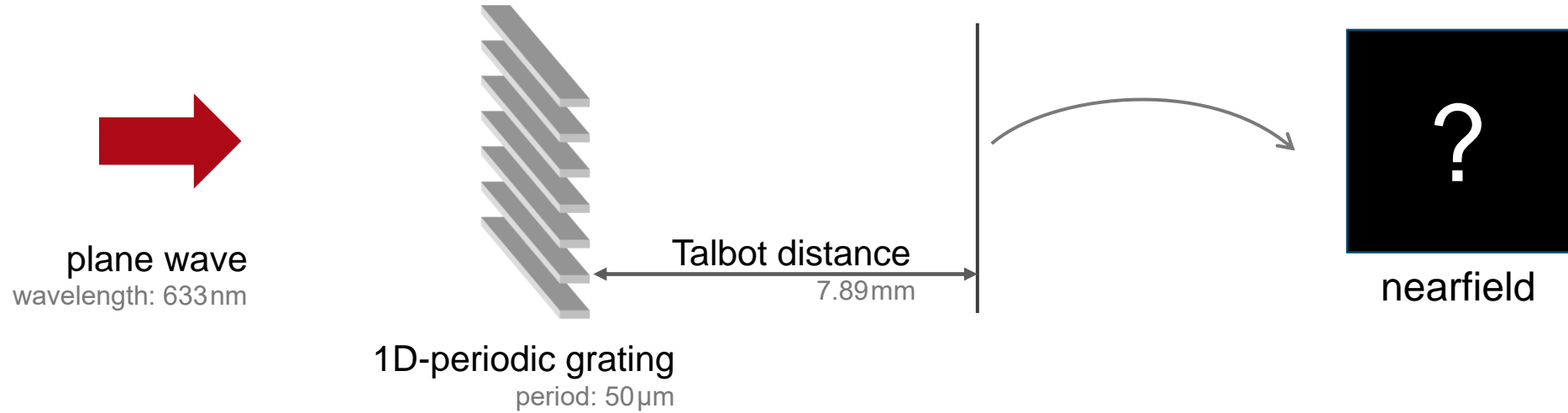
Abstract



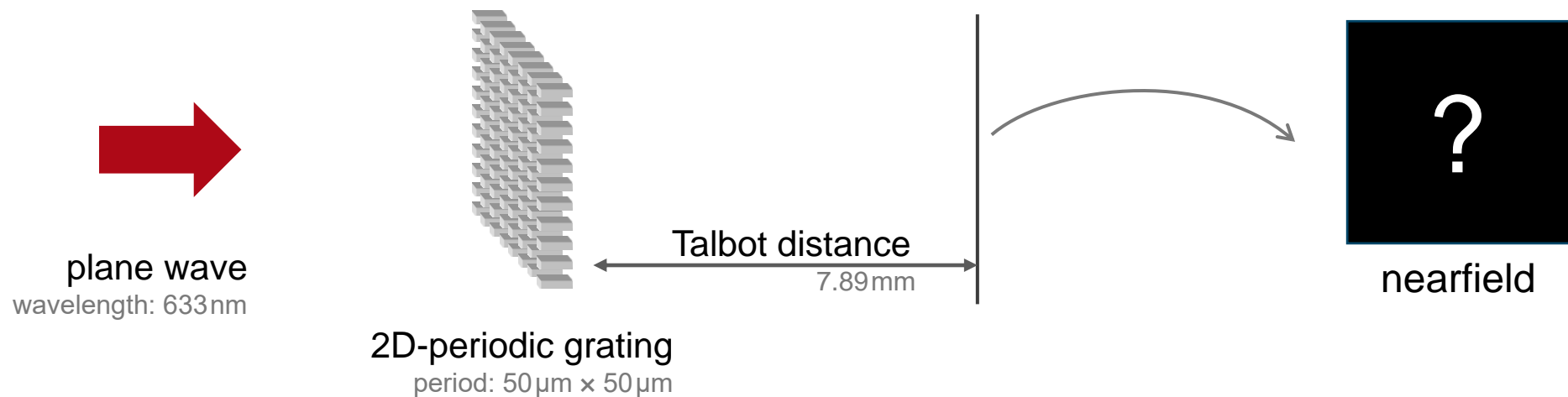
In this example, with the help of the automatic propagation technology in VirtualLab Fusion, we demonstrate the Talbot effect, and with the help of Parameter Run, we visualize the Talbot carpet pattern.

Task: Simulation of Talbot Effect for 1D and 2D periodic Grating

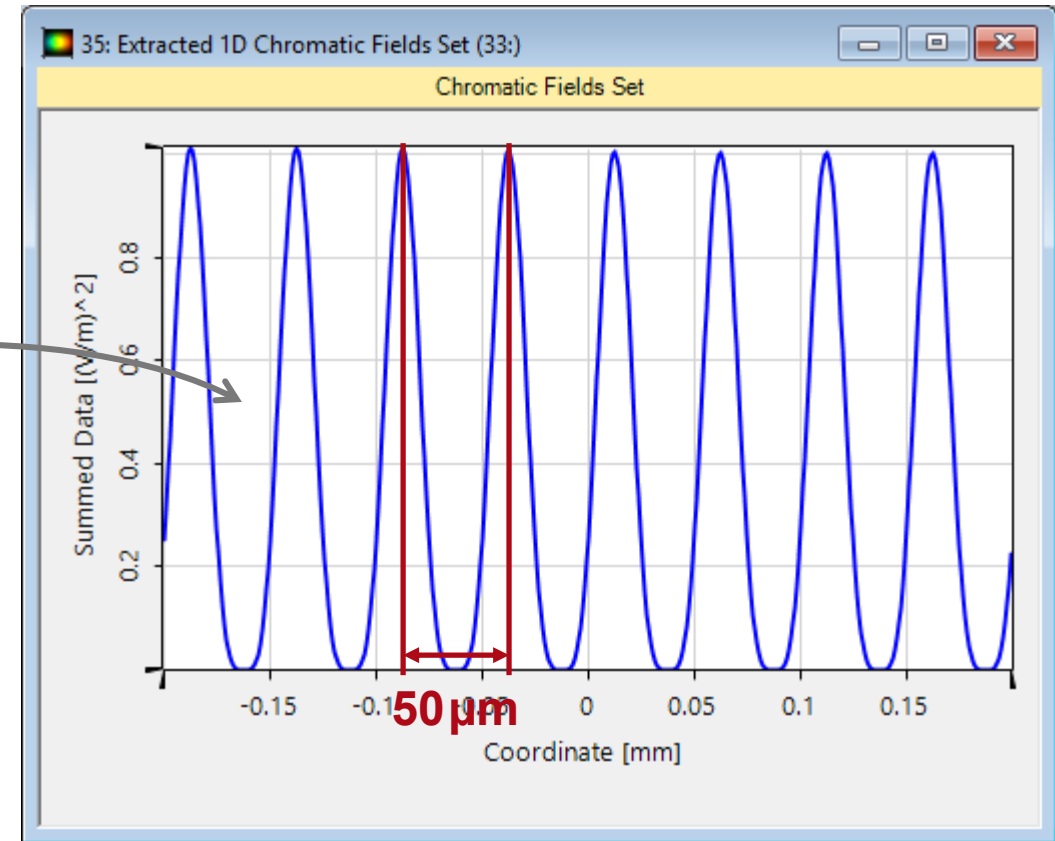
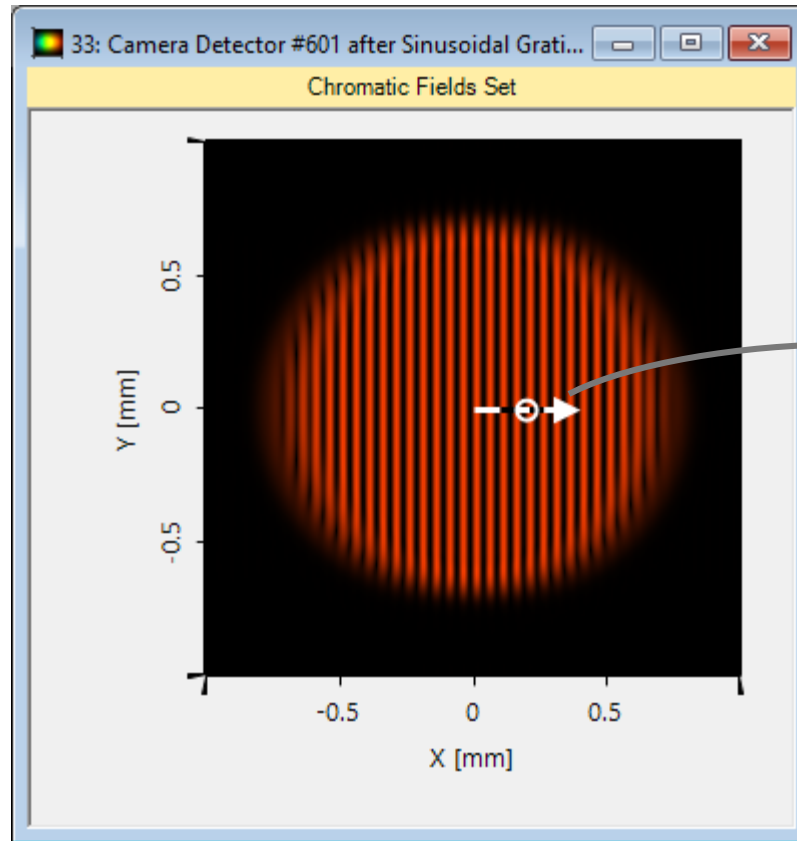
Case #1:



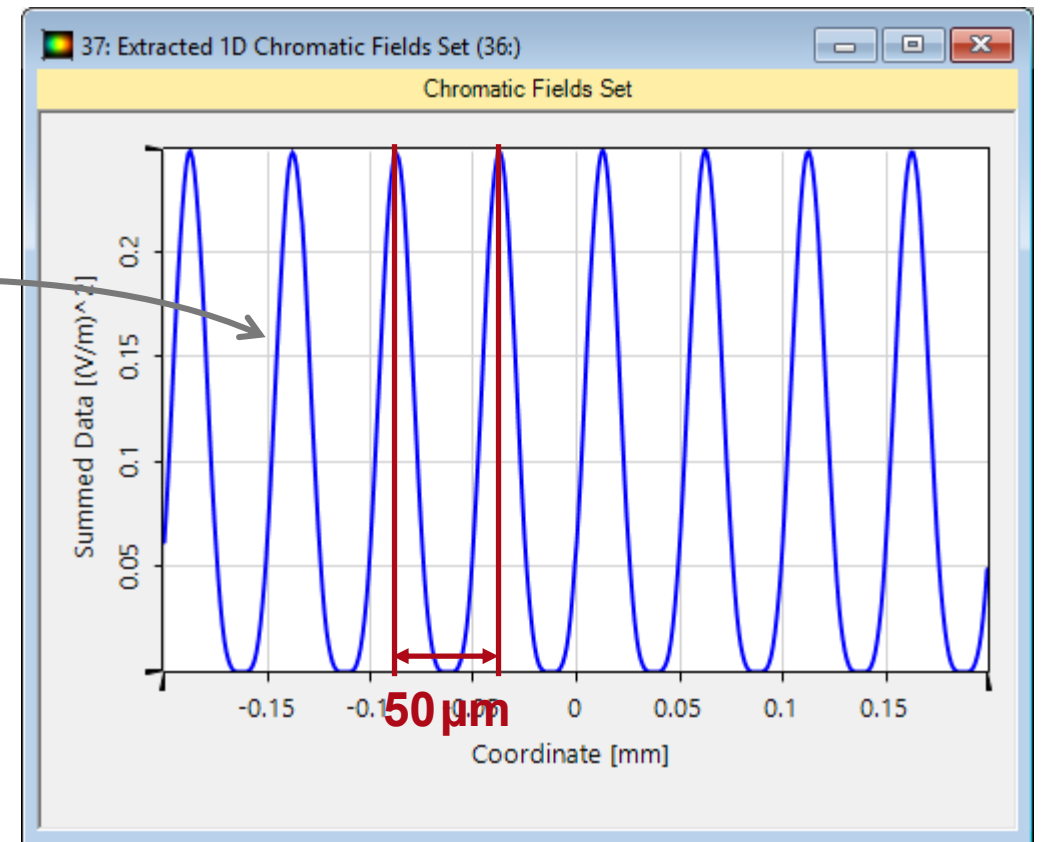
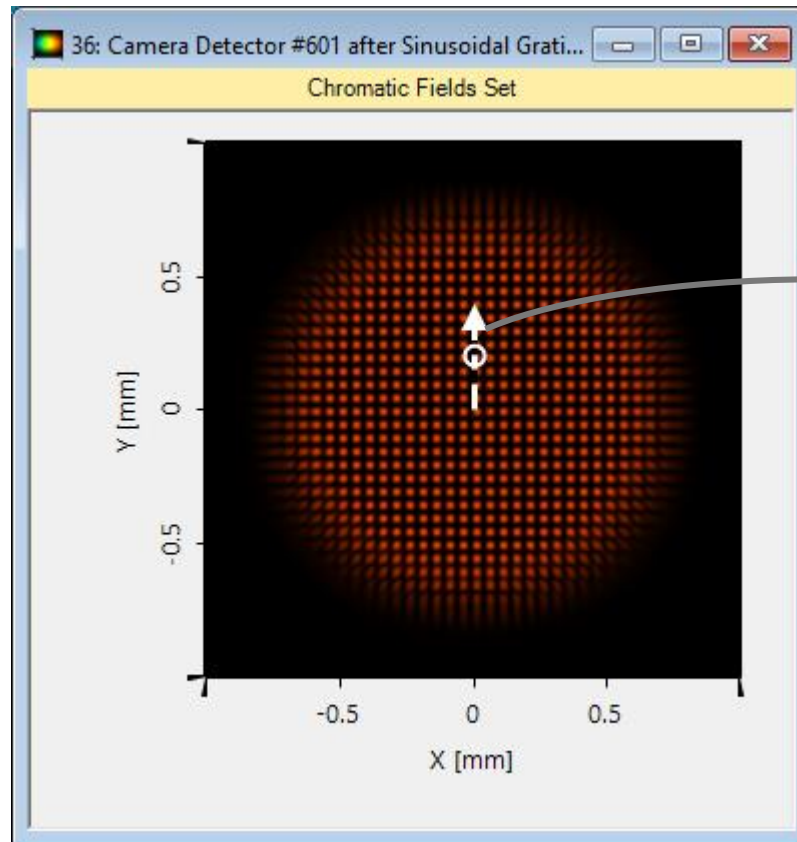
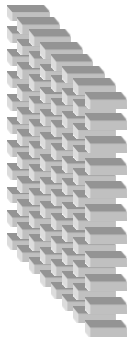
Case #2:



Result: 1D-periodic Grating



Result: 2D-periodic Grating



Document Information

| | |
|---------------------------------|--|
| title | Modeling of Talbot Effect |
| document code | Demo.10 |
| version | 1.0 |
| VL version used for simulations | VirtualLab Fusion Summer Release 2019 (7.6.1.18) |
| category | Demo |
| further reading | <ul style="list-style-type: none">- Modeling of the Talbot Effect- Configuration of Grating Structures with Two-Dimensional Periodicity |
