Simulation Parameter

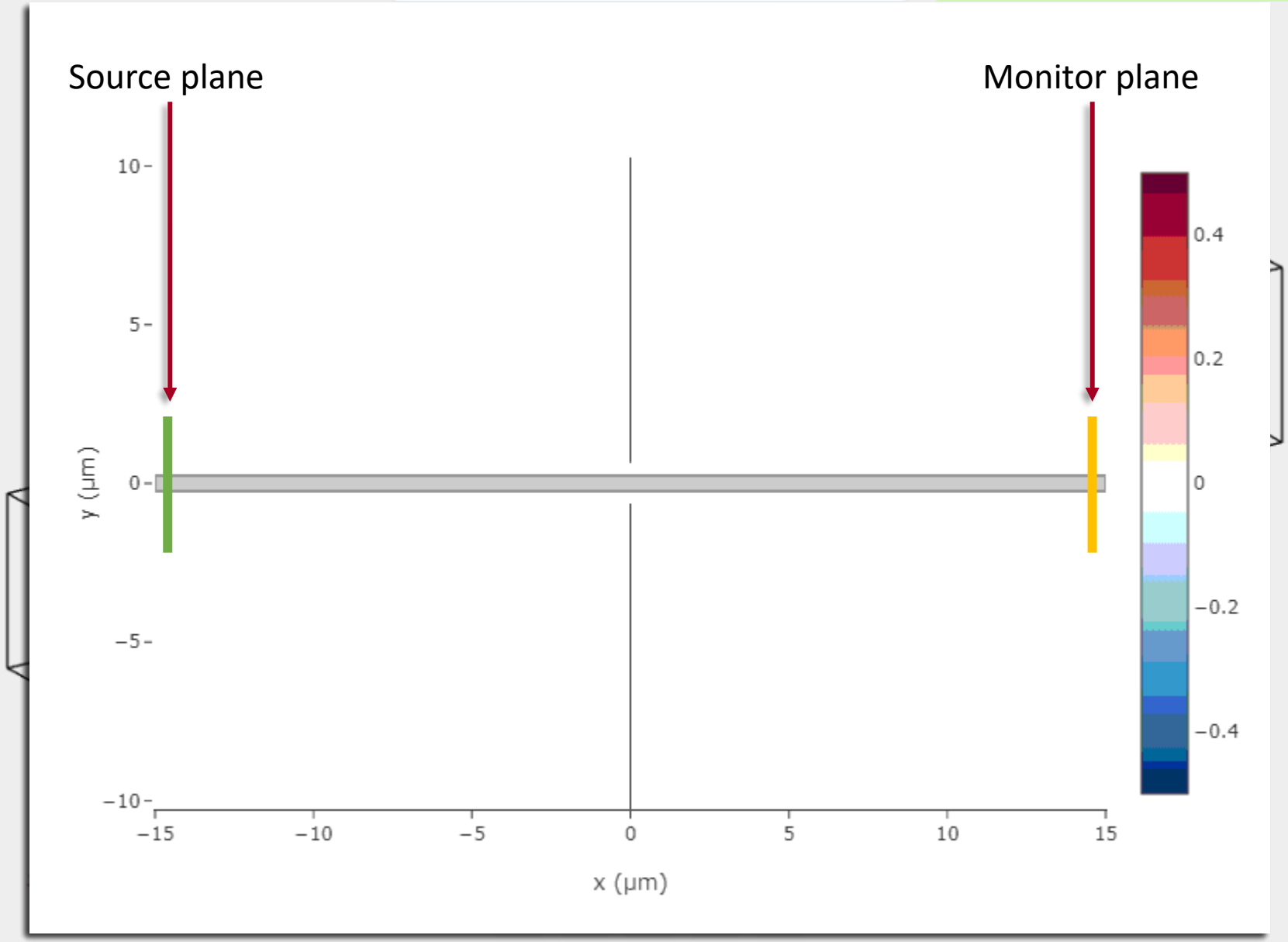
STUDIES
FDTD draft

Editor

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Simulation Domain
Run Time
Grid Specification
Boundary and Symmetry
Shutoff Condition
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3D Chart 2D Chart Task Details Run Validation pass



Visibility

Axes
Ruler
Simulation Domain
Sources(0/1)
Monitors(0/1)
Structures(1/1)
waveguide

Simulation Parameter

STUDIES
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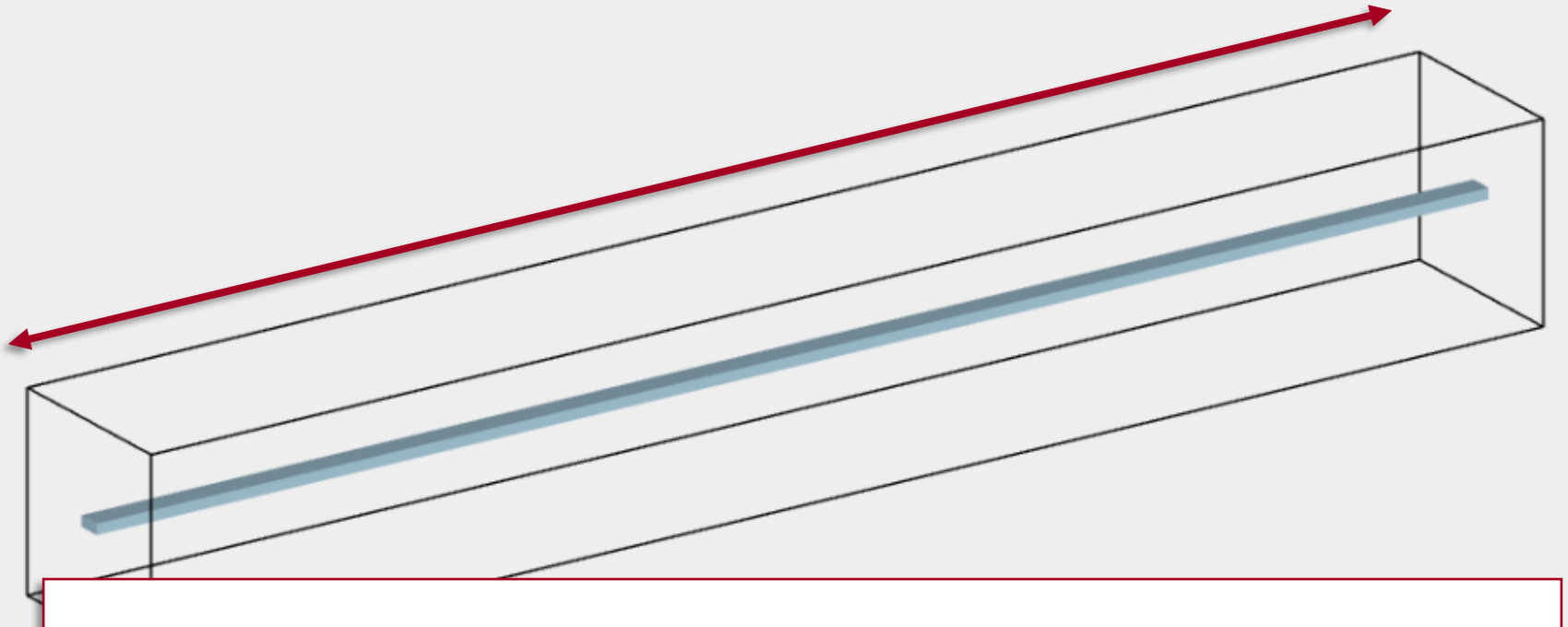
Editor

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$$\text{Run Time} \cong \frac{\text{largest dimension} \times n_g}{c} + \text{source_time}\ [s]$$

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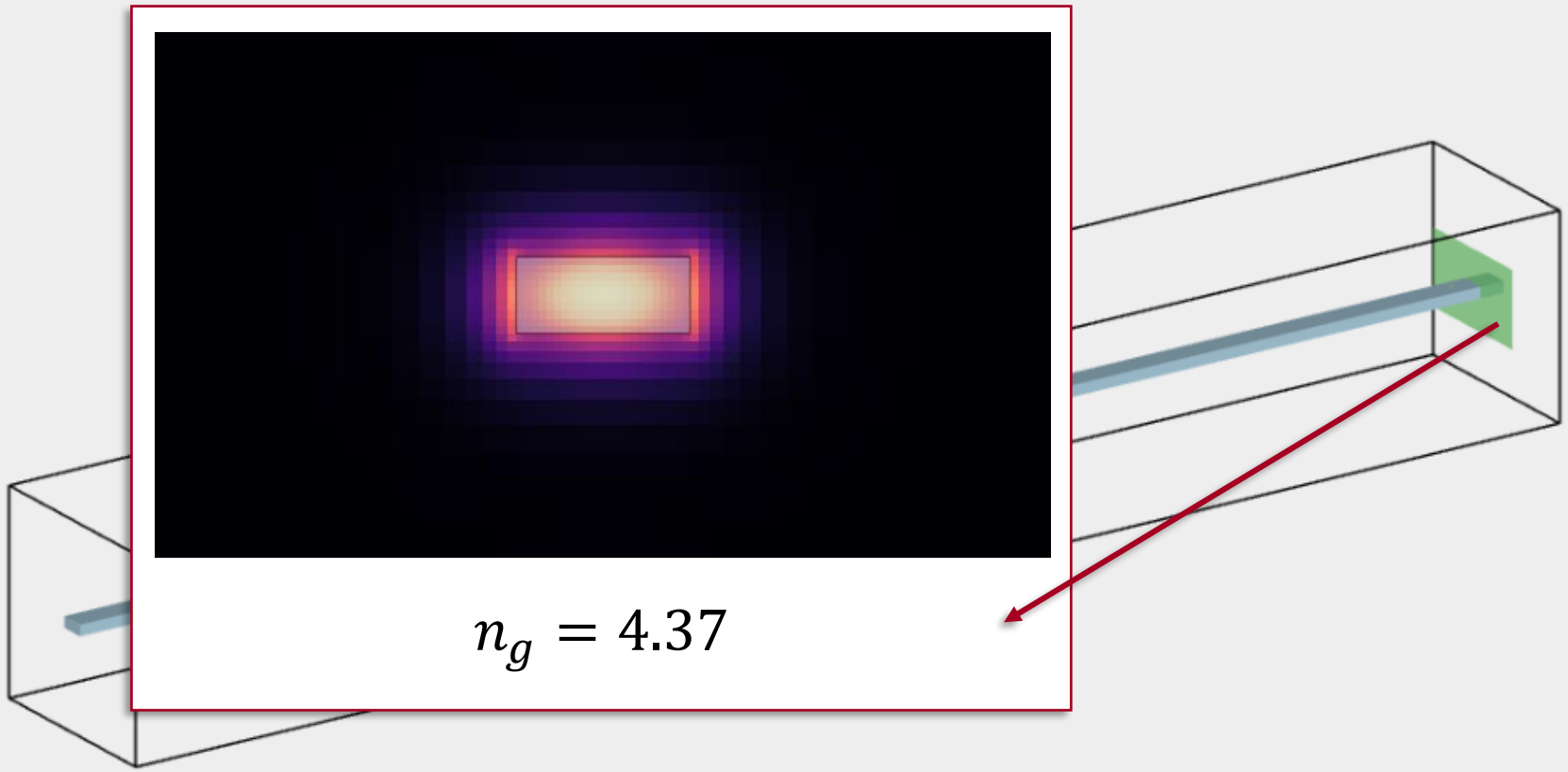
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Monitors(0/1)
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Tutorial 8 - Run Time v1 Saved

Tutorial Video Example Library Share

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Edit Source Help

* direction

+

num_freqs

1

* source_time Plot

GaussianPulse

wavelength frequency

λmin 1.5 μm

λmax 1.6 μm

Customize source bandwidth 0.5

freq0: 1.93414e+14 Hz

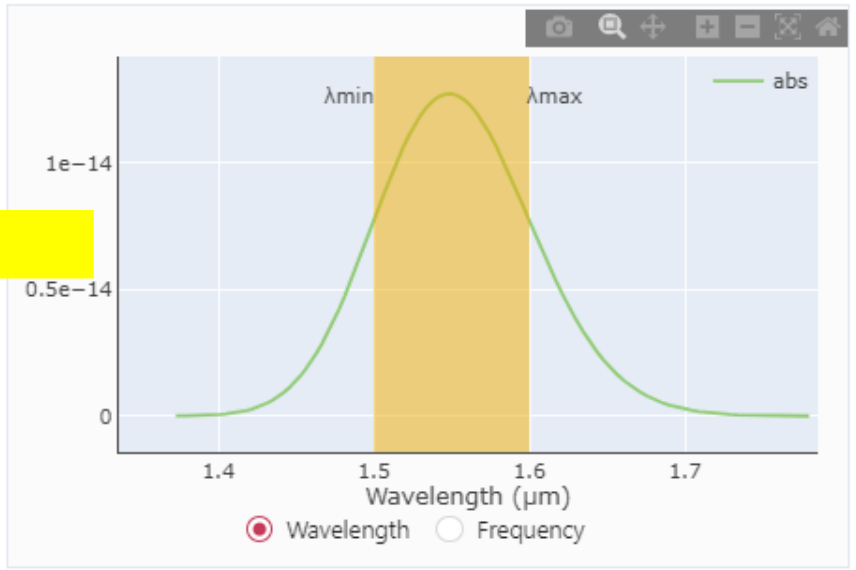
fwidth: 6.24567e+12 Hz

Advanced

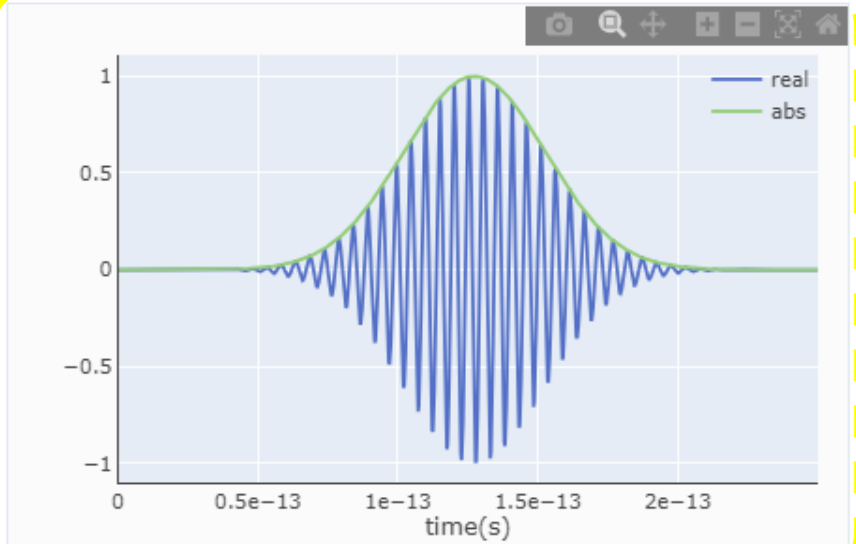
Apply

Plot Source

Source Spectrum



Source Signal



Visibility

Axes

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Simulation Domain

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Monitors(1/1)

Structures(1/1)

waveguide

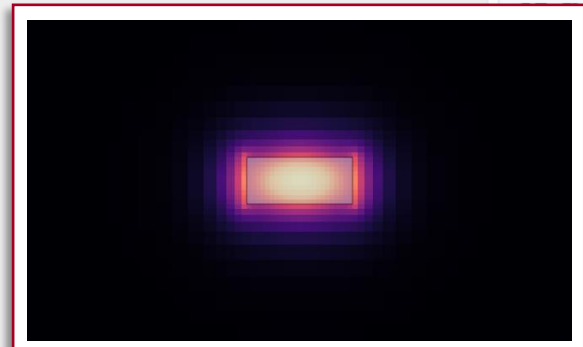
Simulation Parameter

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$n_g = 4.37$

art 2D Chart Task Details Run Validation pass

30 μm

Run Time ≅ 0.7 ps

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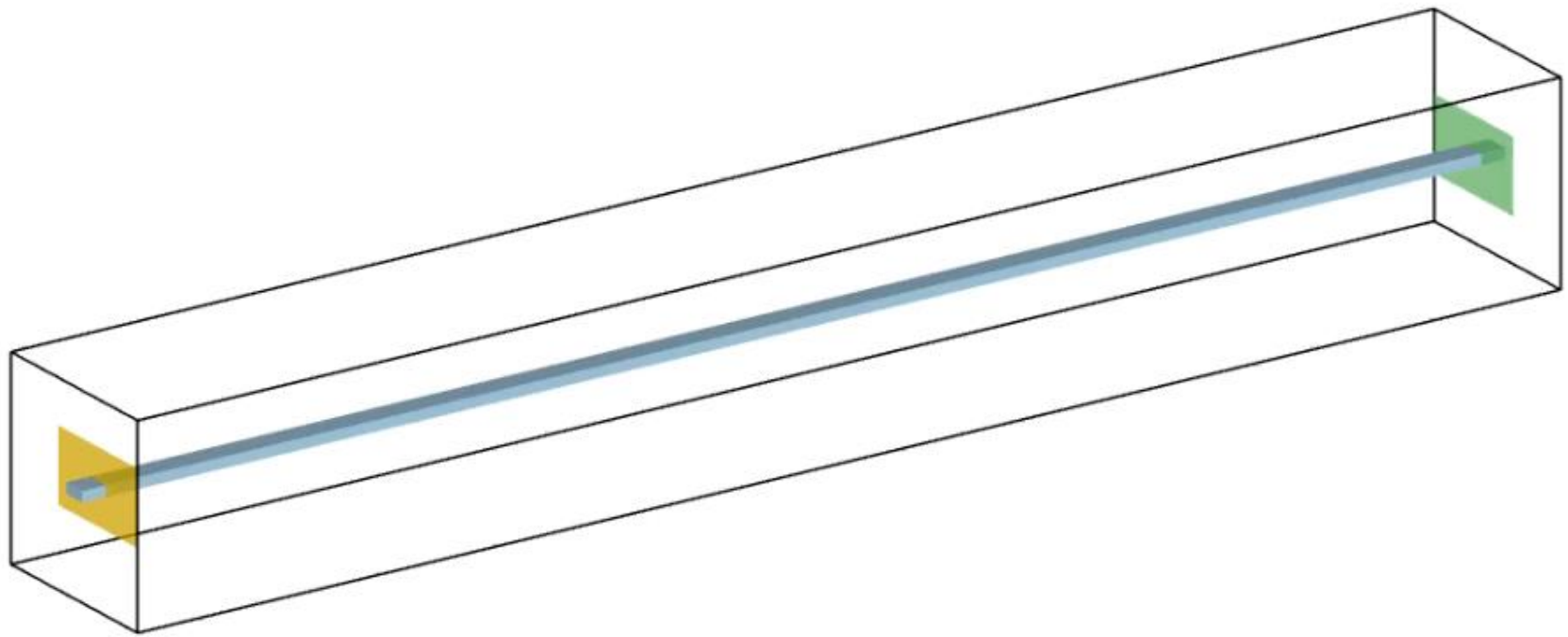
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mode_monitor

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