My 2D FDTD

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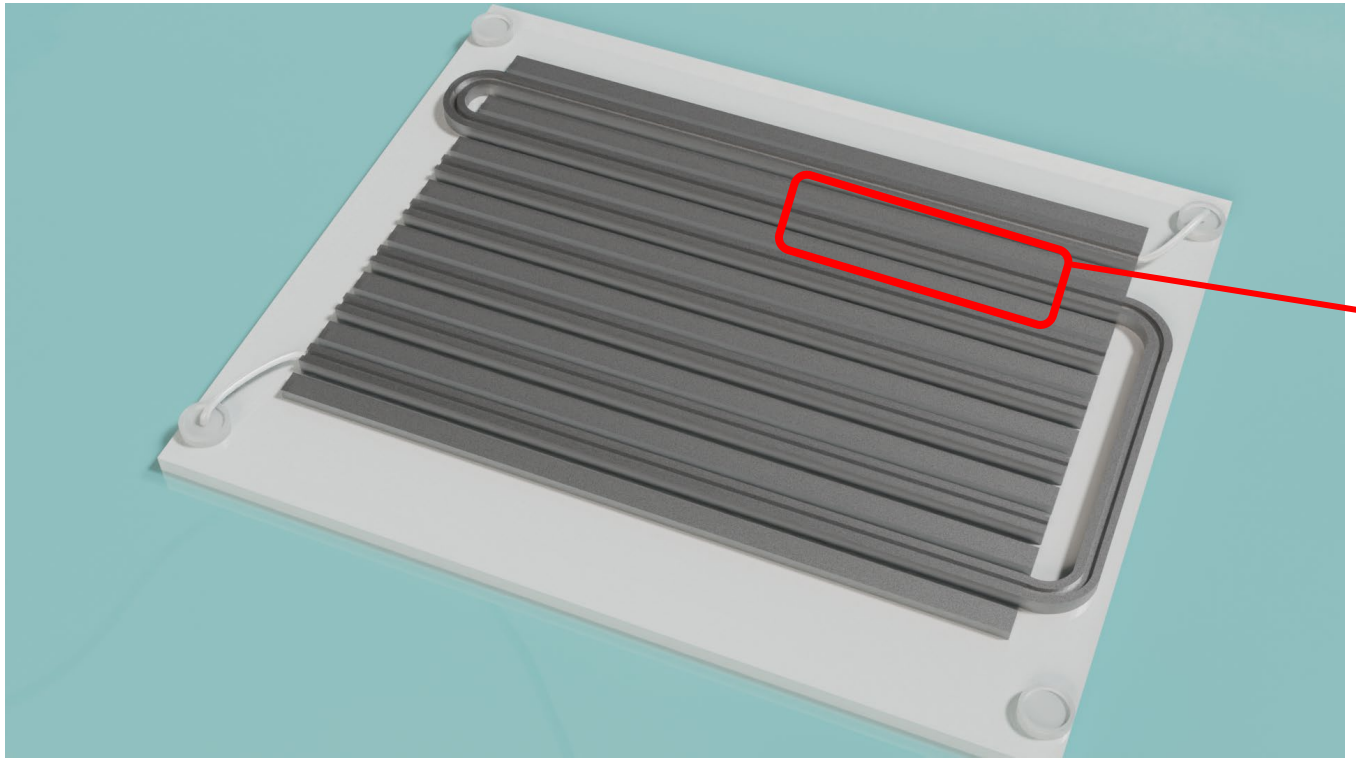
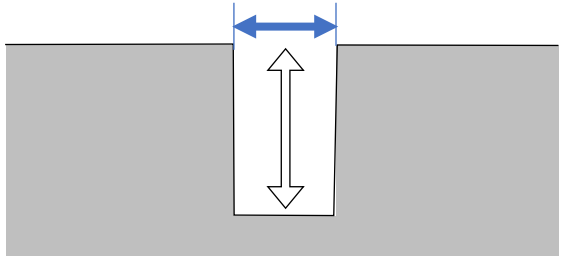
Research Description

Microfluidics system

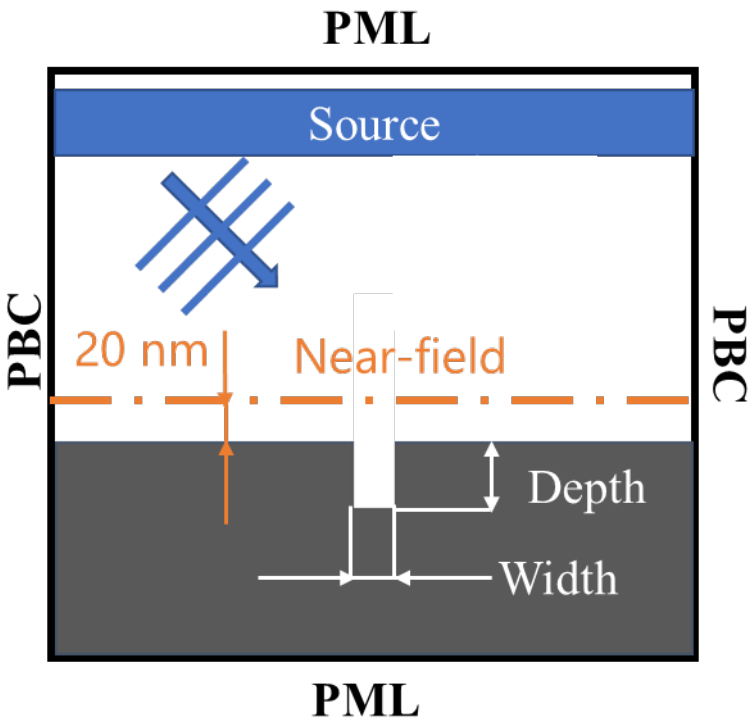


Microgroove

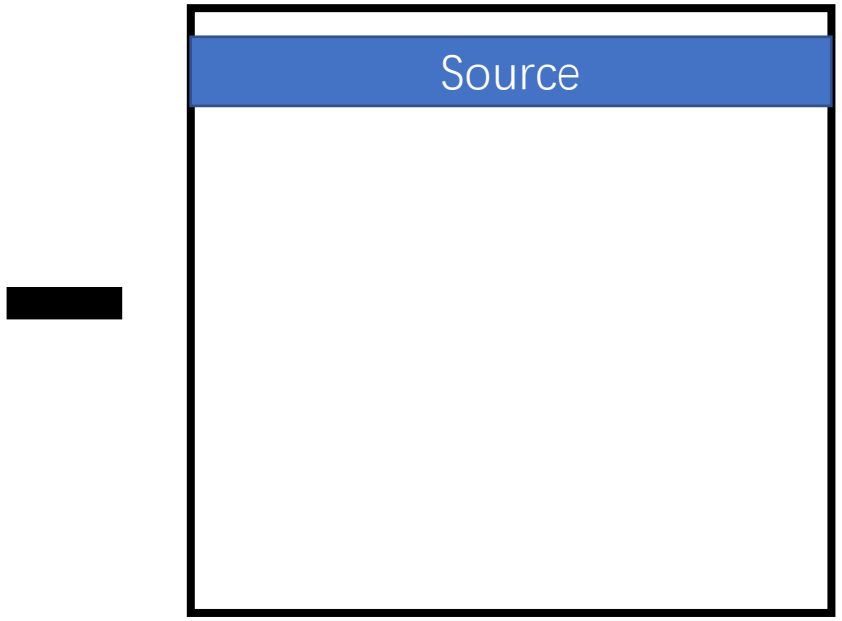


How a microgroove response to oblique incident light?

FDTD Model



Microgroove model



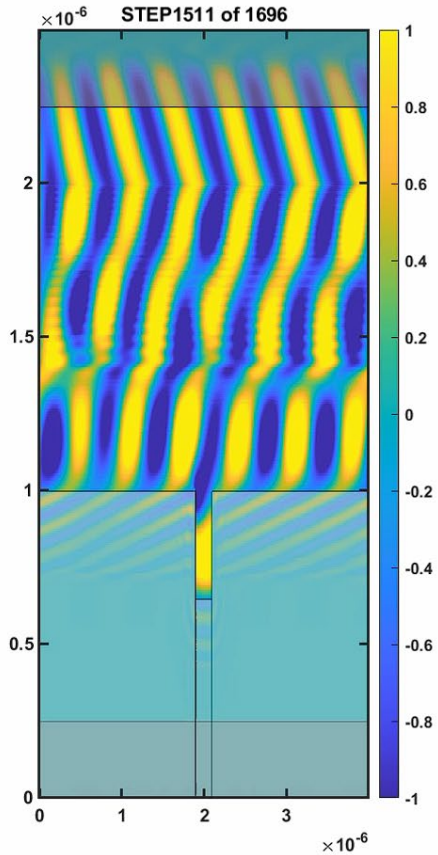
Air model

?

Subtraction between two model gives reflection.
This code is to simulate this result.

Features

- Support PML boundary and periodic boundary
  - Modify NPML value, 0 will lead to periodic boundary.
- Support TM and TE wave
- Support oblique incident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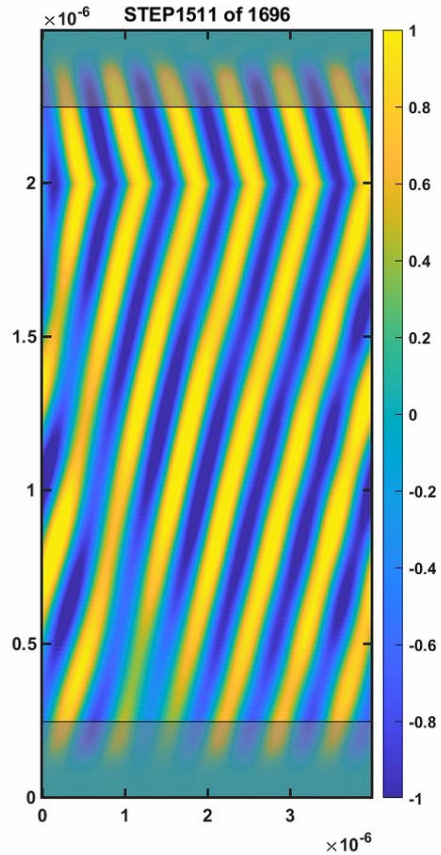
×10^-6
0
0.5
1
1.5
2
0
1
2
3
×10^-6
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1


STEP1511 of 1696
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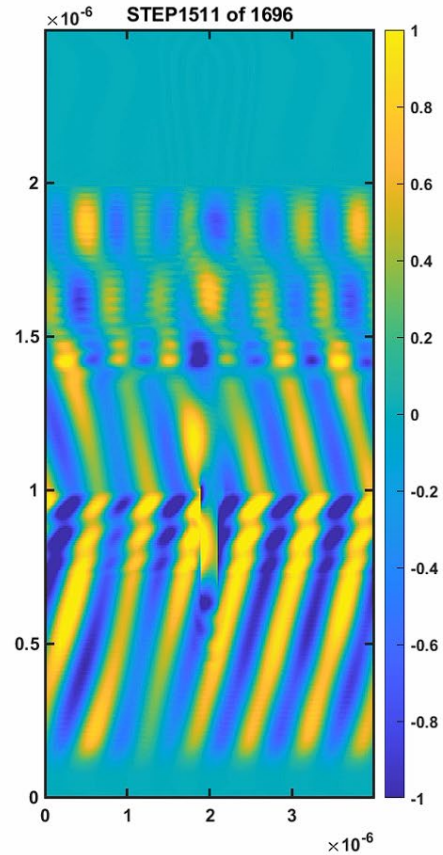
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