Kron Simulation of Field-to-line Coupling Using a Meshed and a Modified Taylor Cell

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Meshed Taylor

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Kron Simulation of Field-to-line Coupling Using a Meshed and a Modified Taylor Cell Sjoerd Op 't Land, Richard Perdriau, Mohamed Ramdani ed Drissi livie auri **PCB** layout

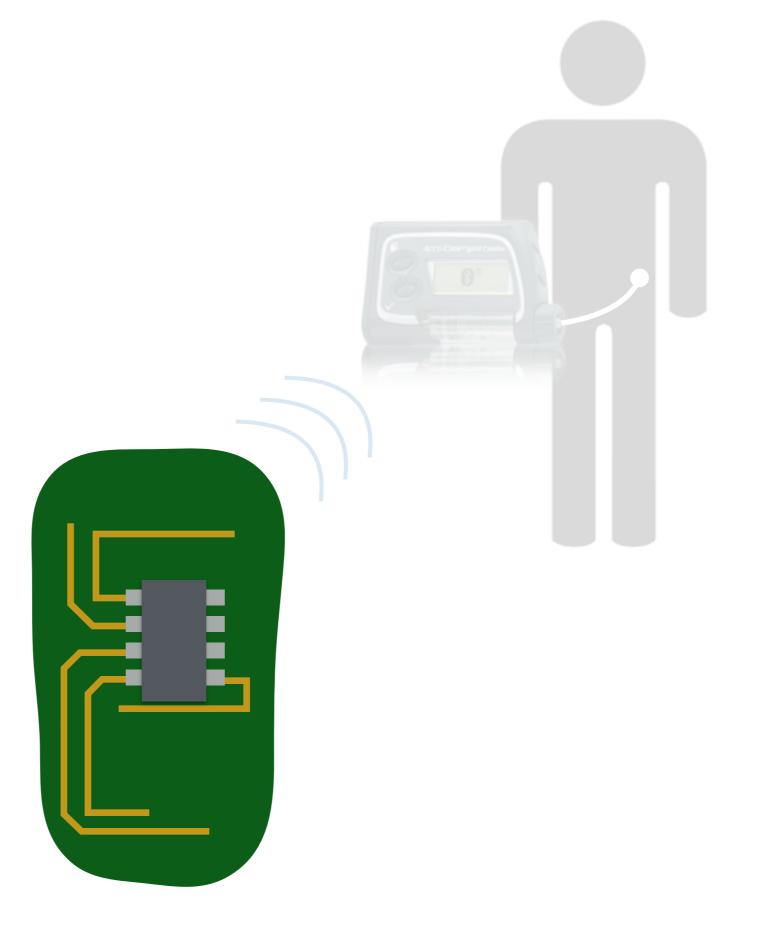
Kron Simulation of Field-to-line Coupling Using a Meshed and a Modified Taylor Cell Sjoerd Op 't Land, Richard Perdriau, Mohamed Ramdani, Qivie Aurice, M'hamed Drissi PCB layout

parameter gathering set-up calculation

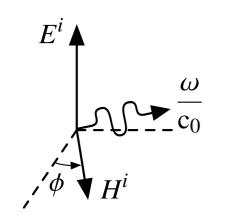
Kron Simulation of Field-to-line Coupling Using a Meshed and a Modified Taylor Cell Sjoerd Op 't Land, Richard Perdriau, Mohamed Ramdani, Oliviel Maurice, M'hamed Drissi

parameter gathering set-up calculation

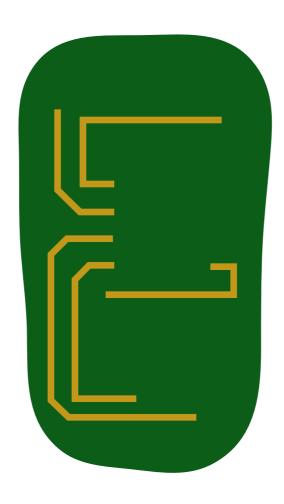


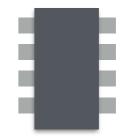


interferer



coupling path

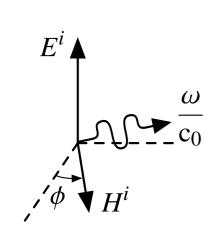


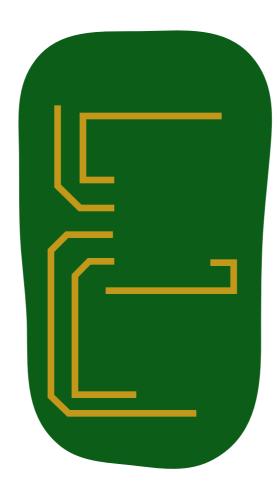


victim

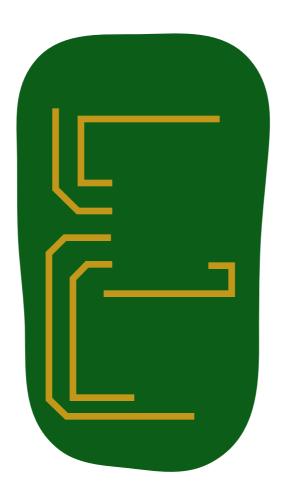
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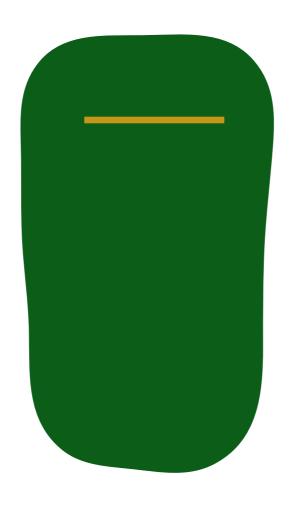
coupling path

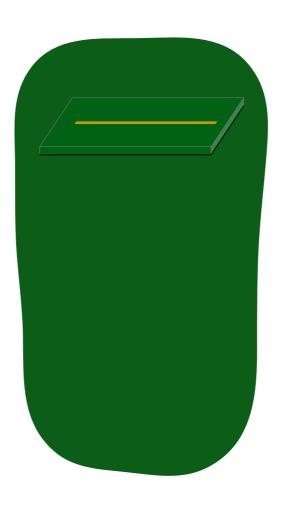




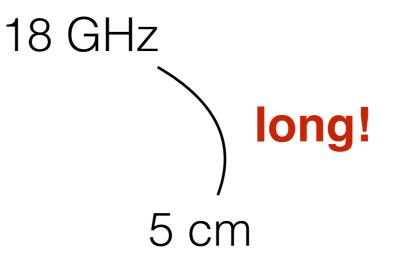
coupling path

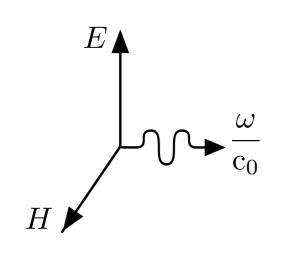


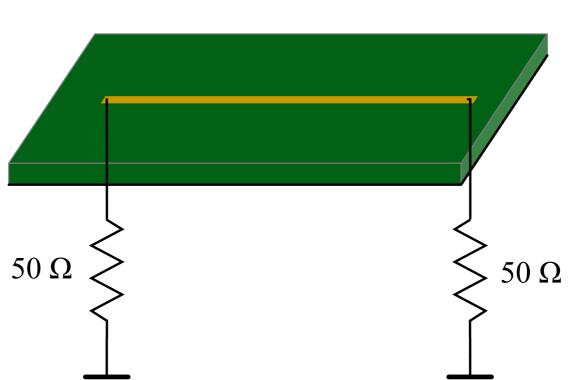




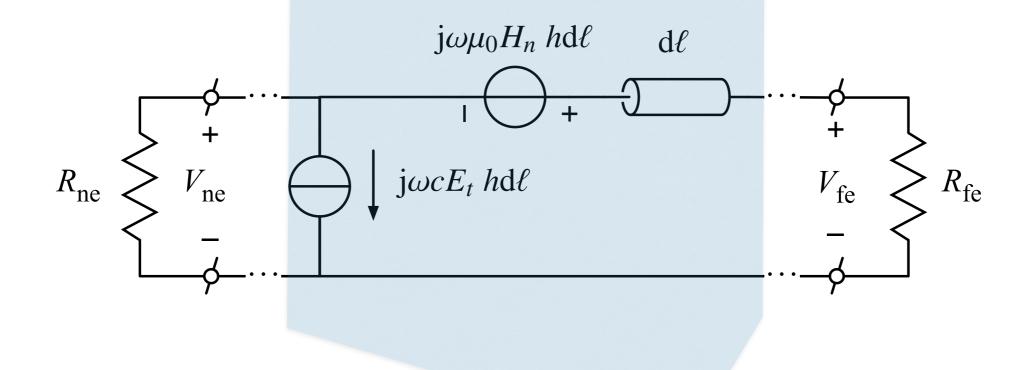


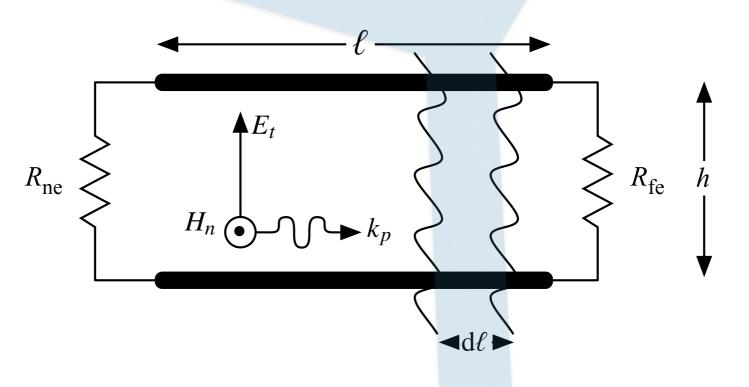




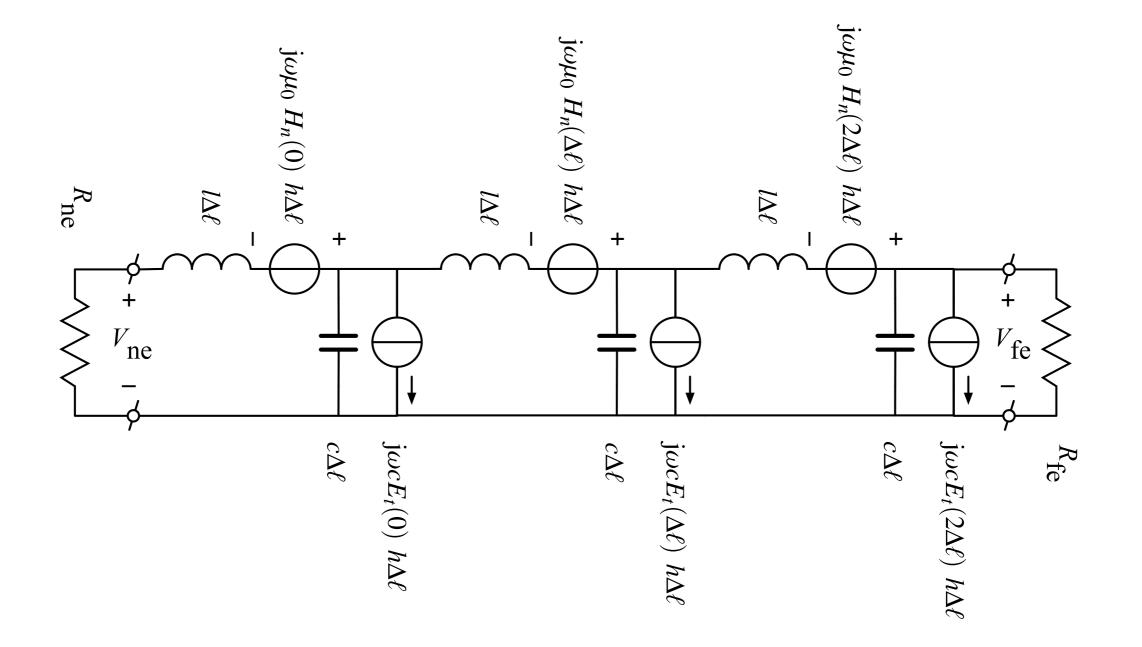


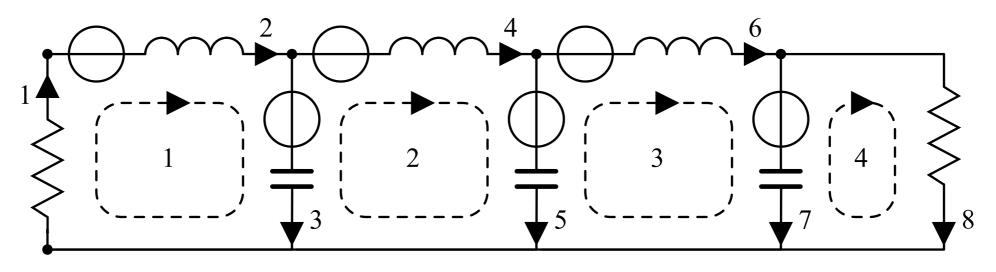
Taylor:

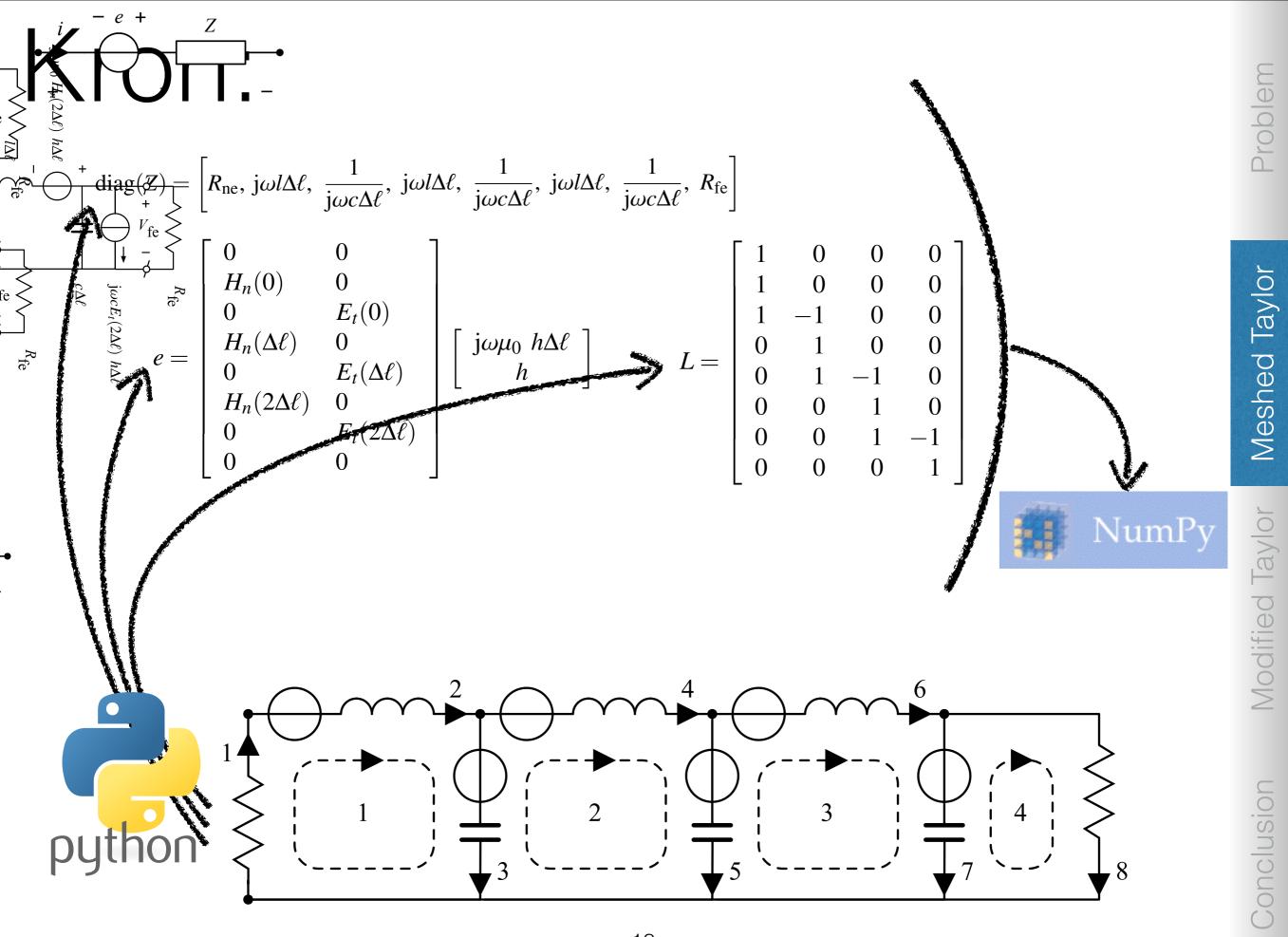




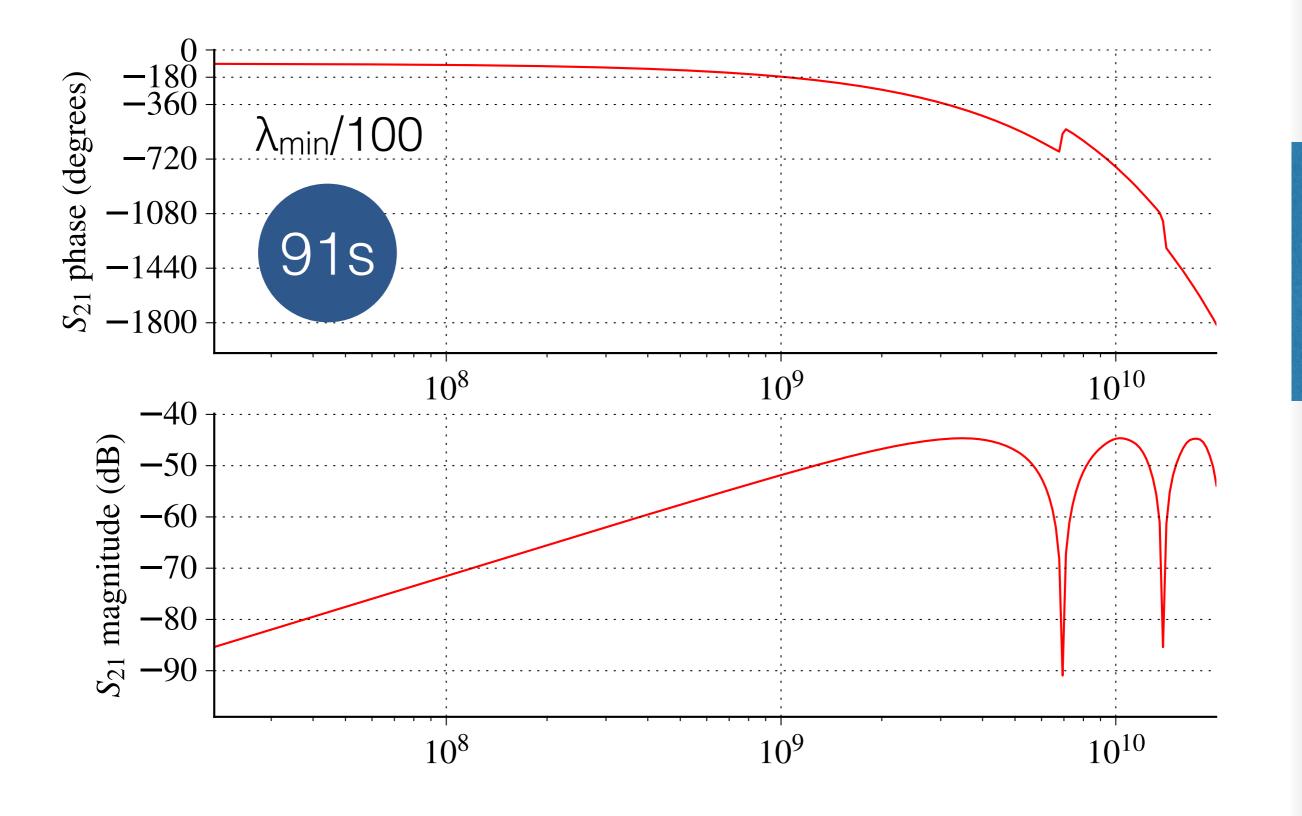


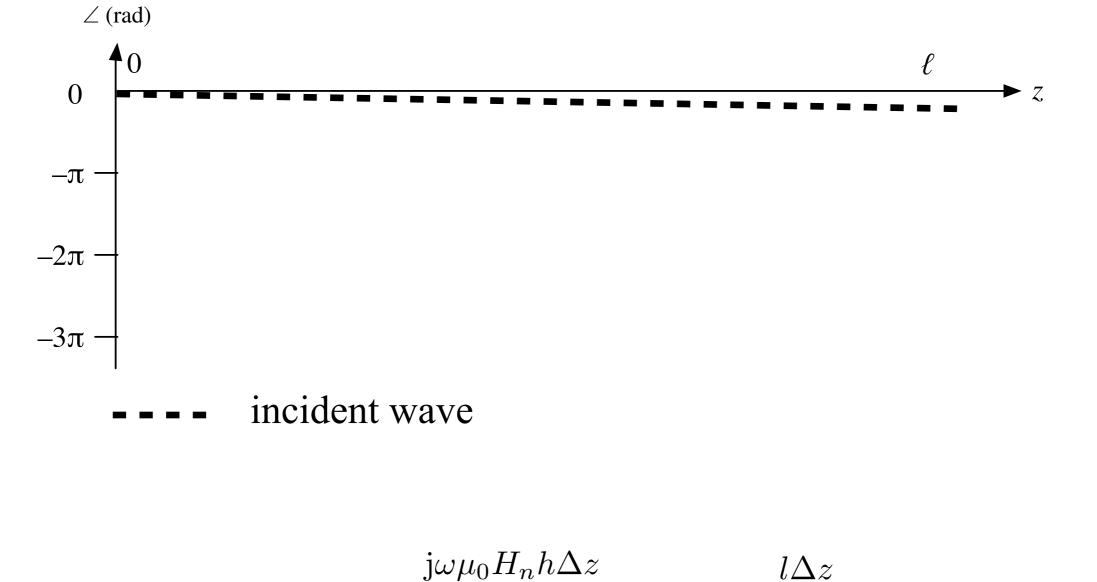


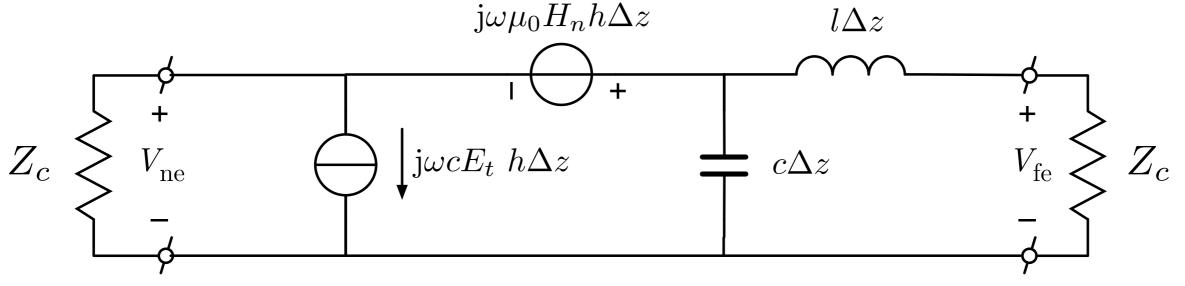


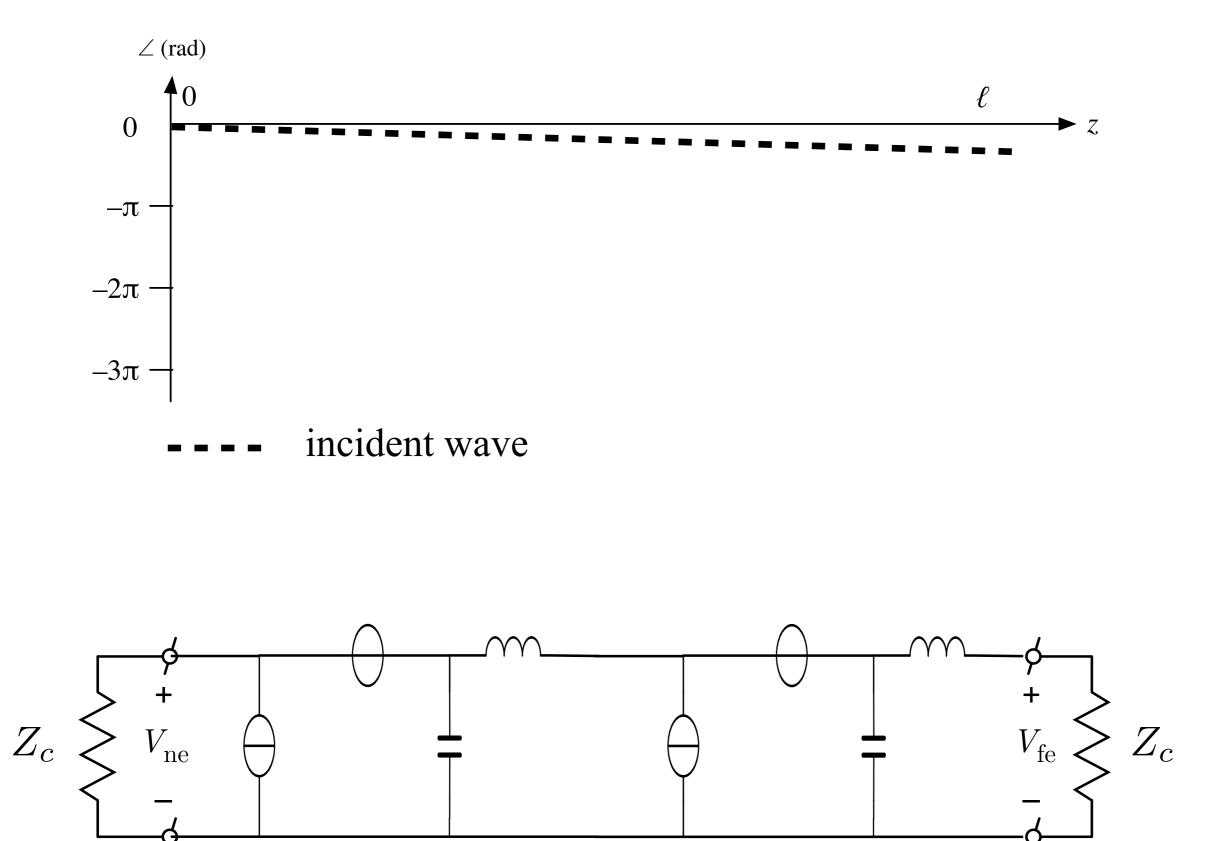


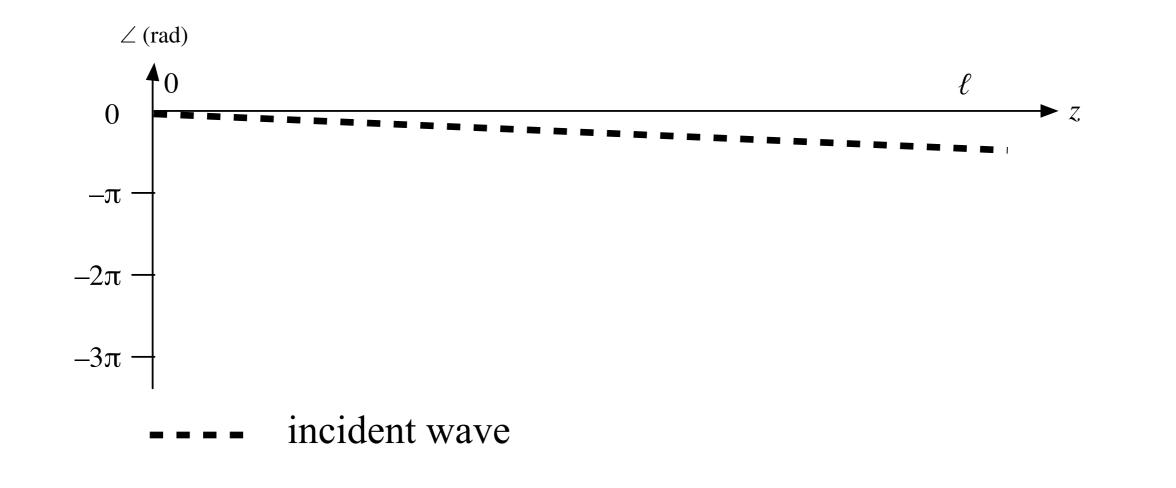
Modified Taylor Meshed Taylor

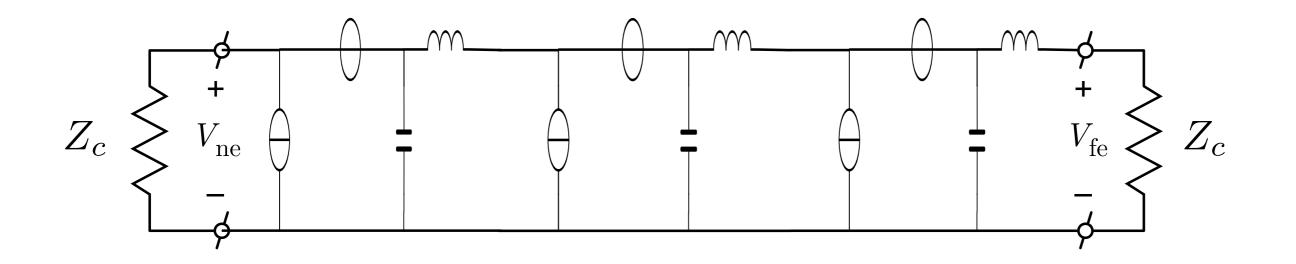




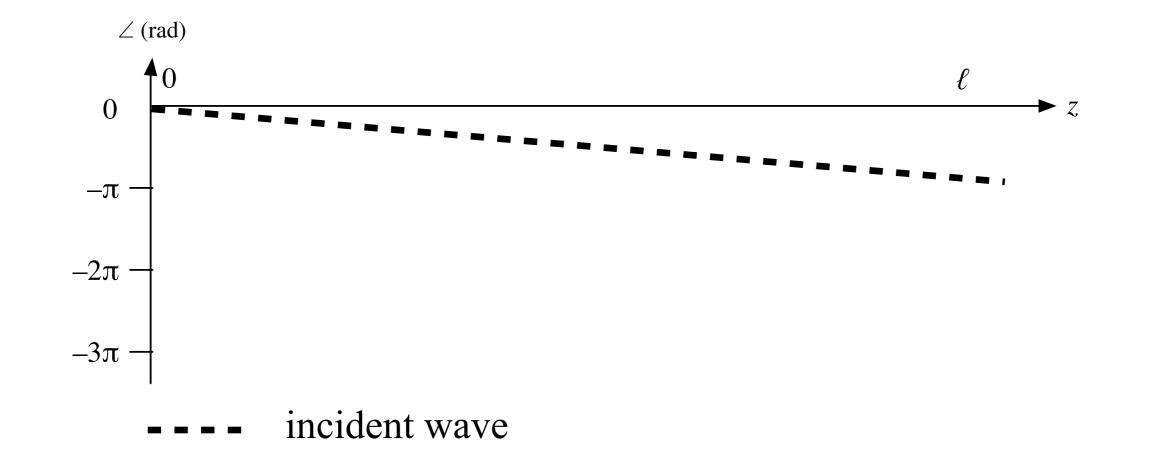


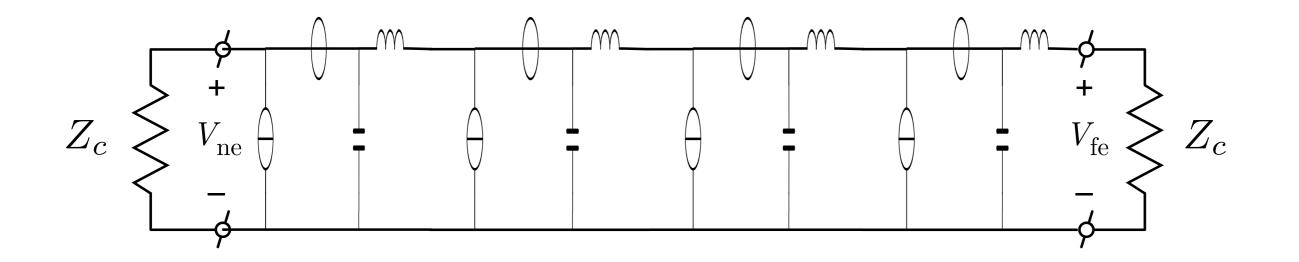


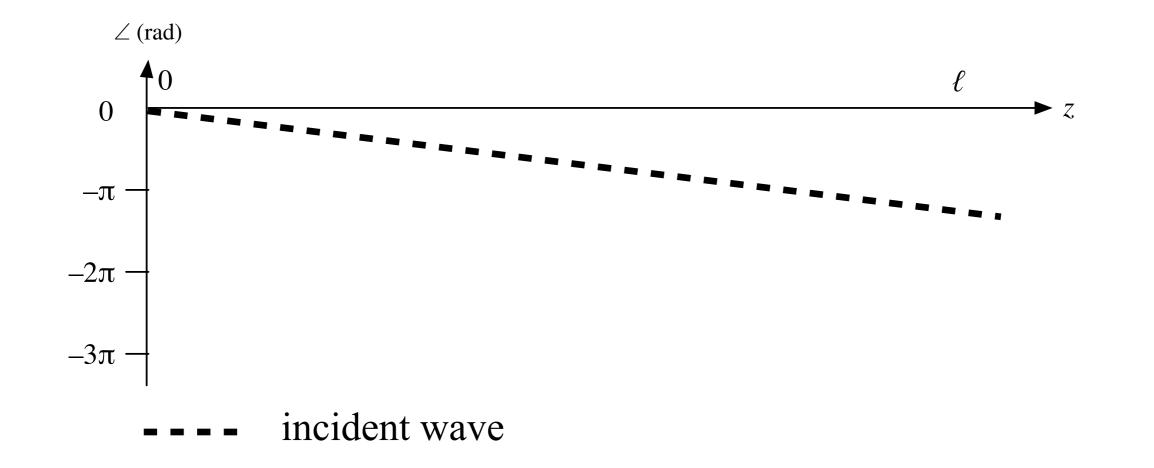


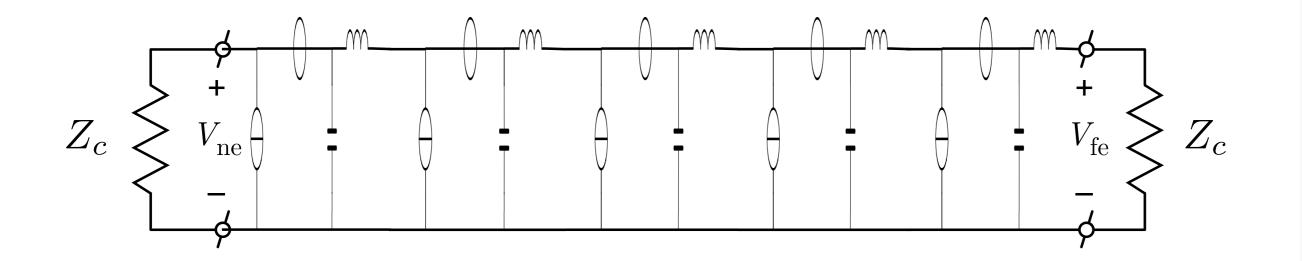


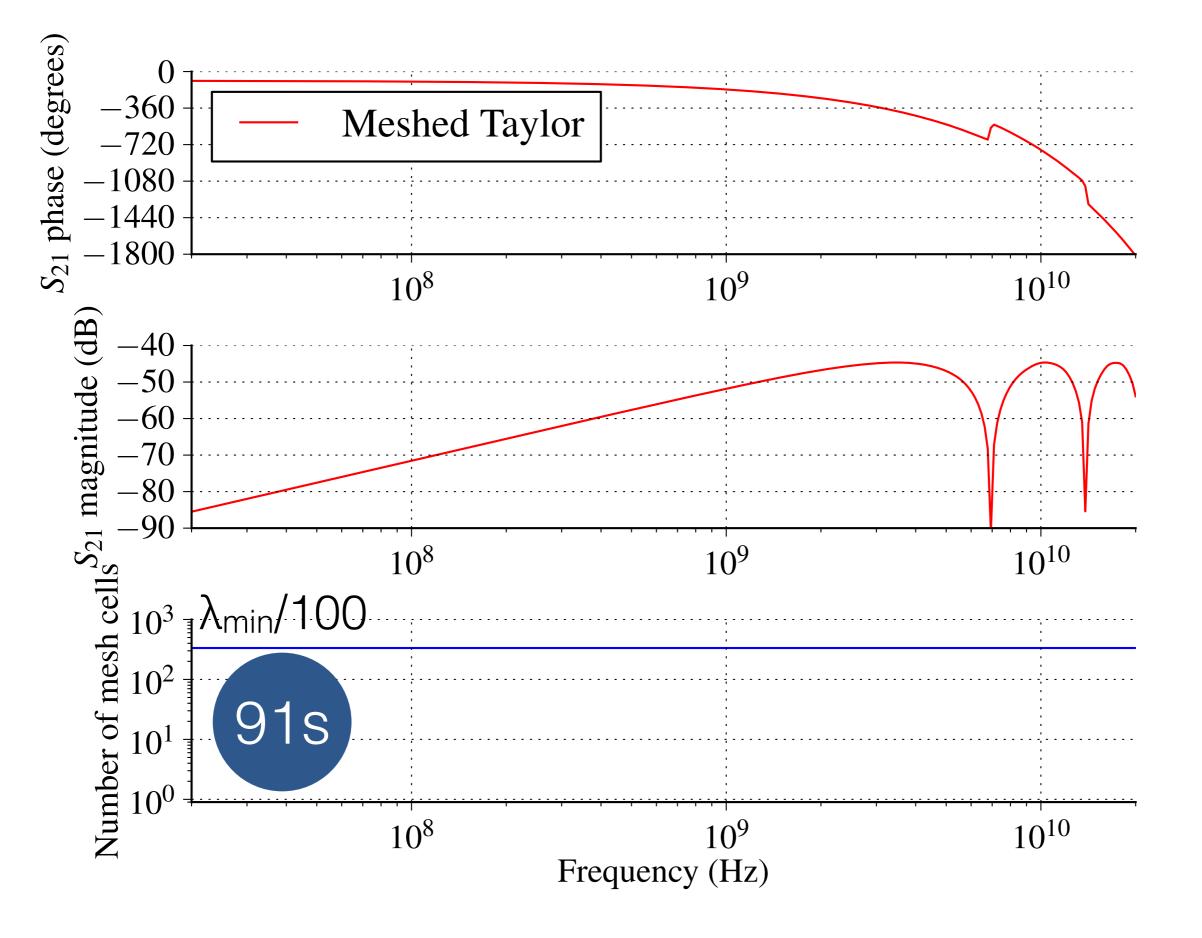


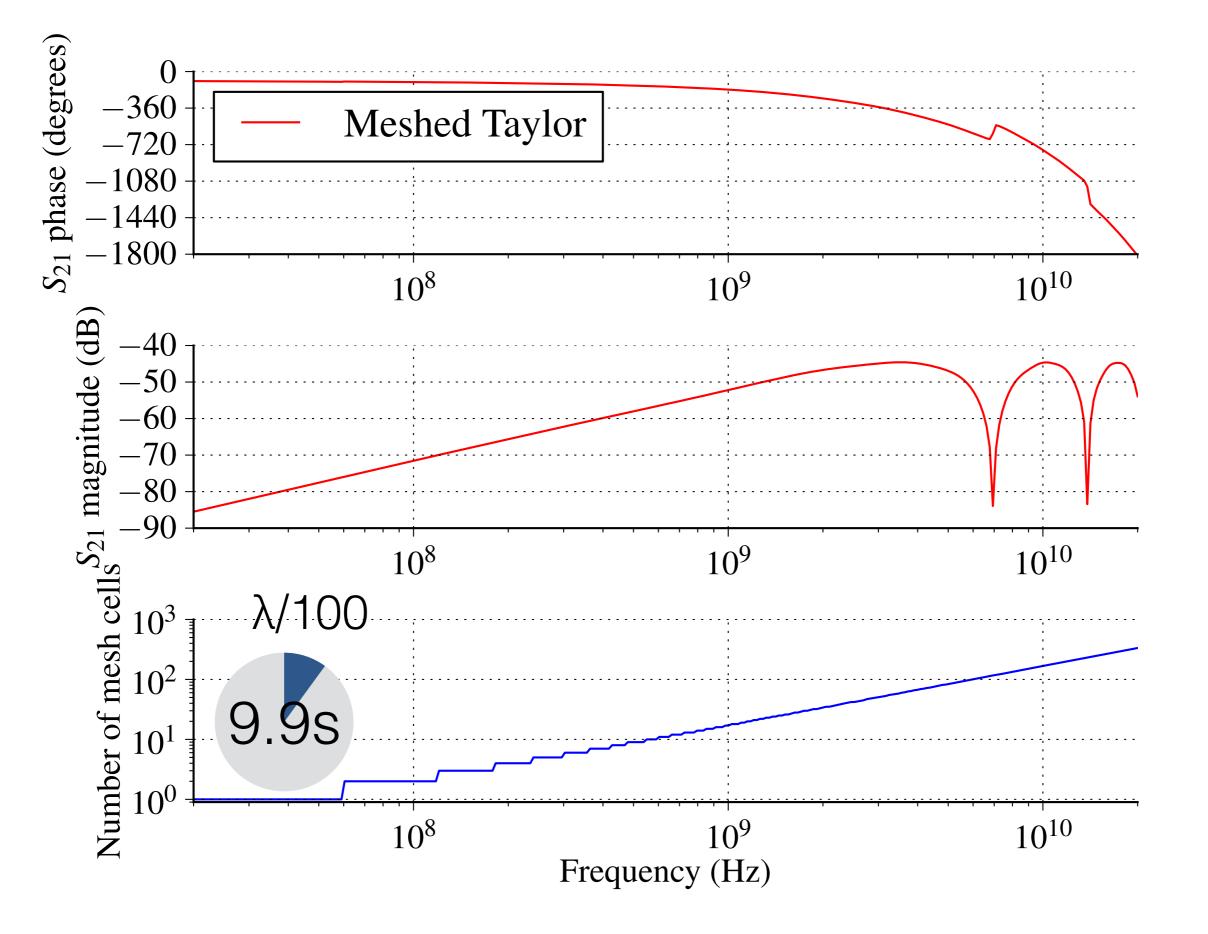


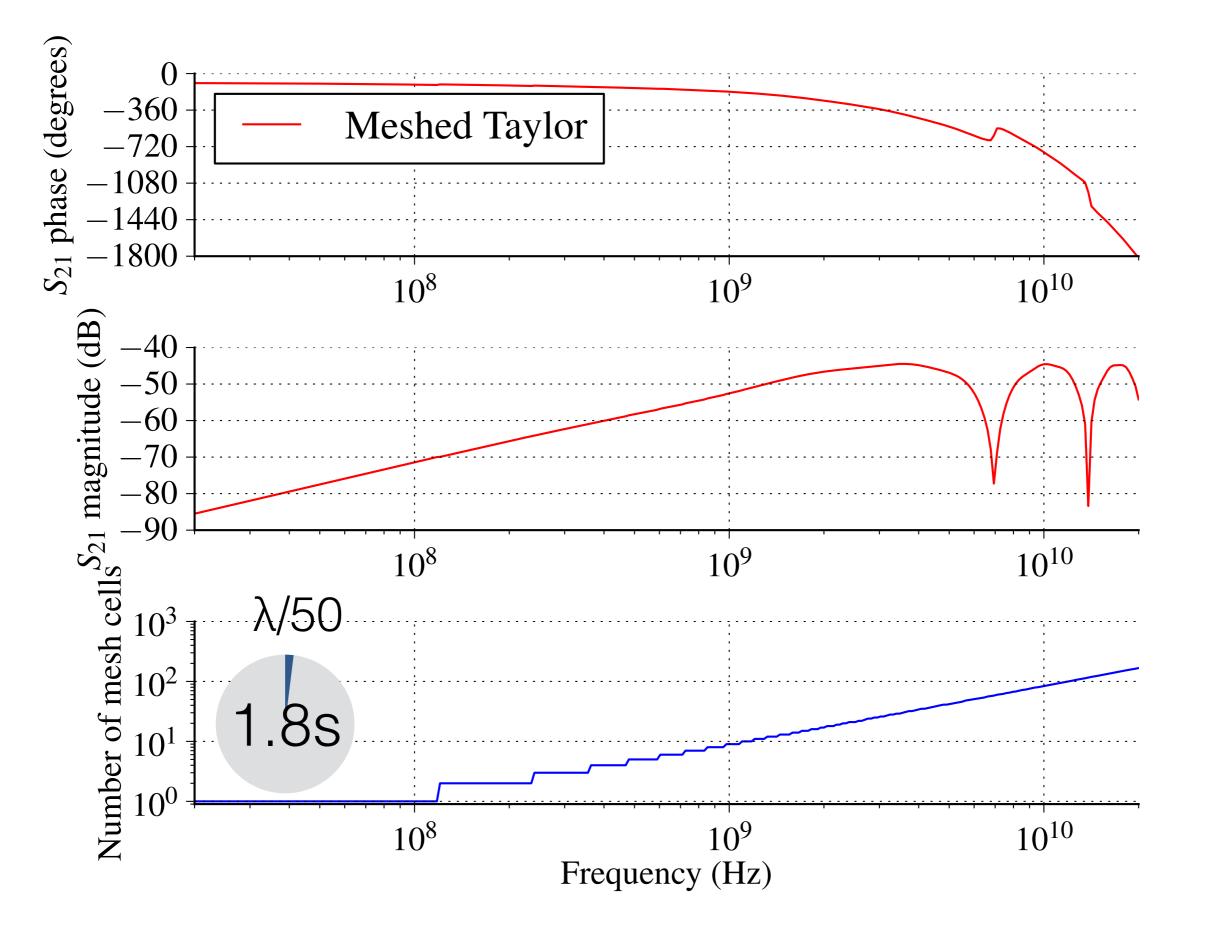


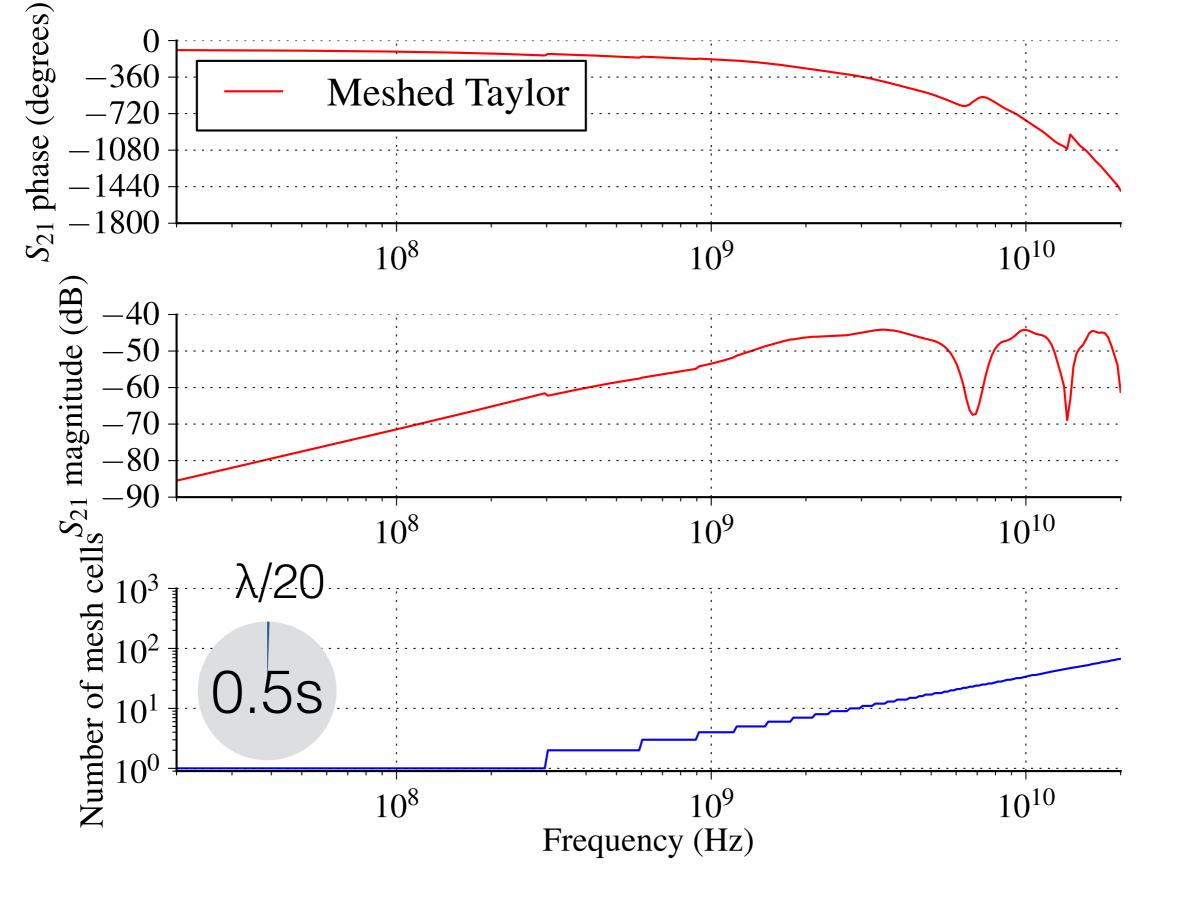


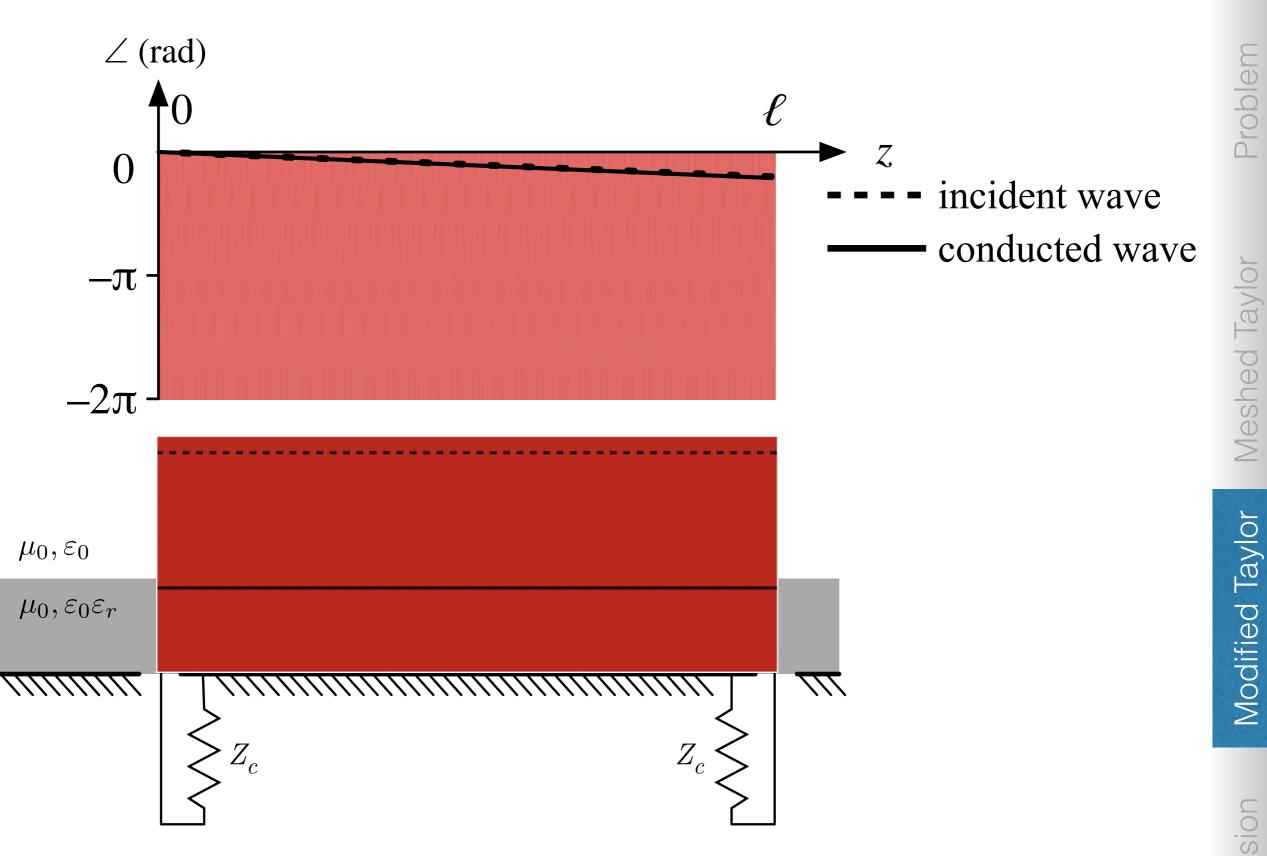




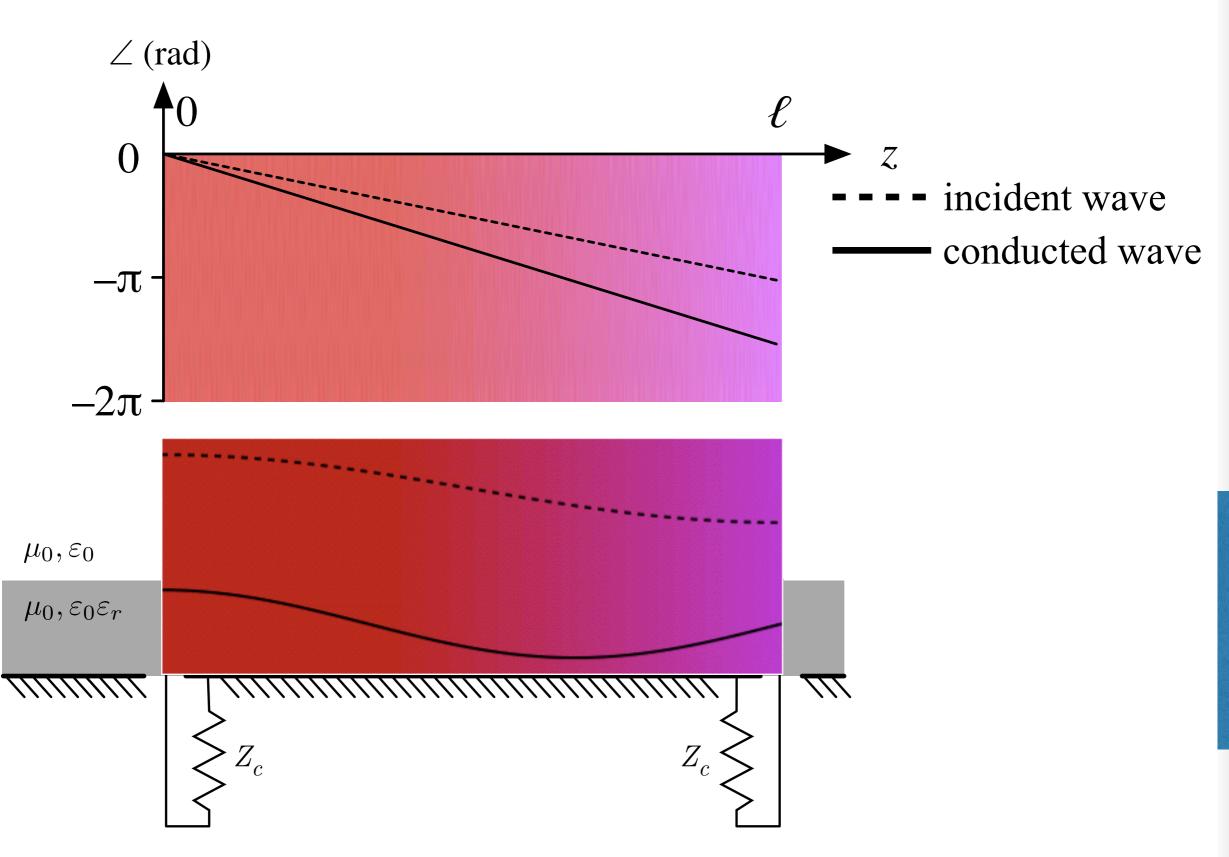


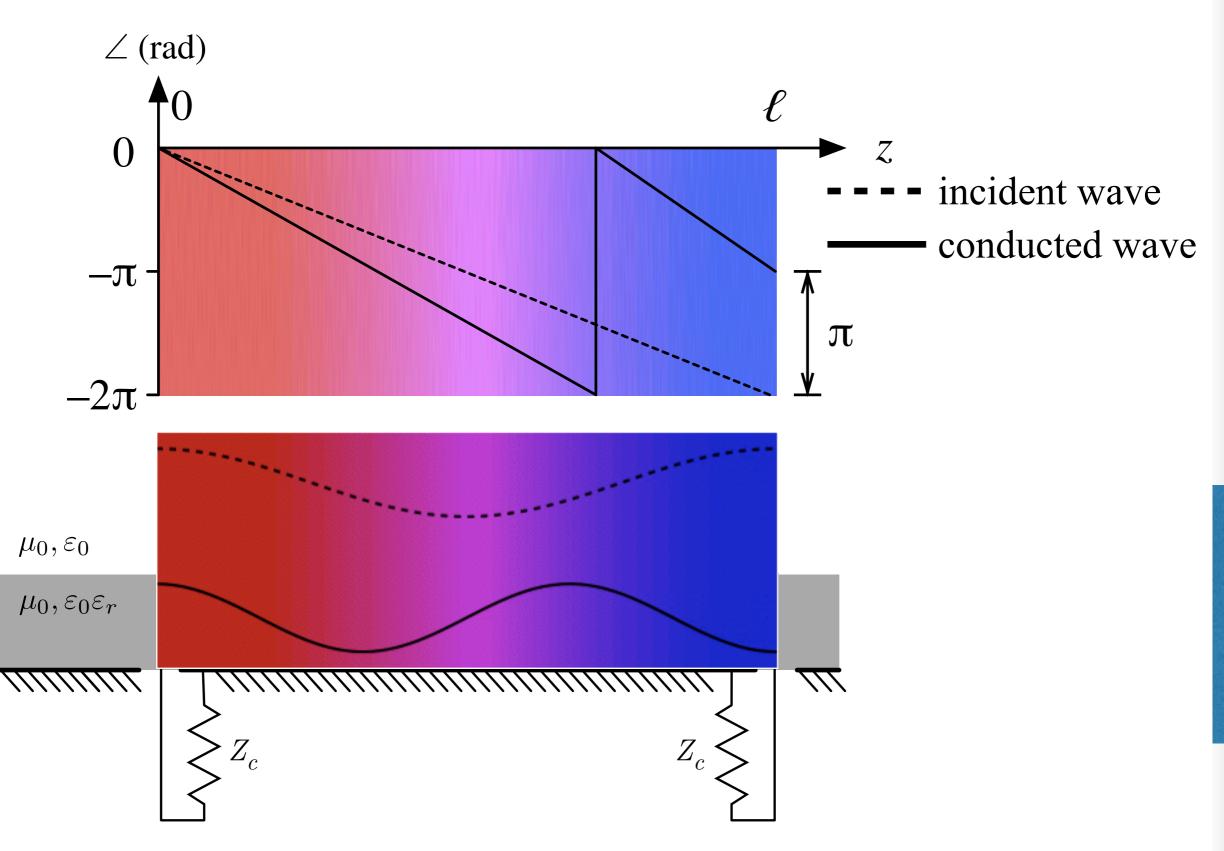


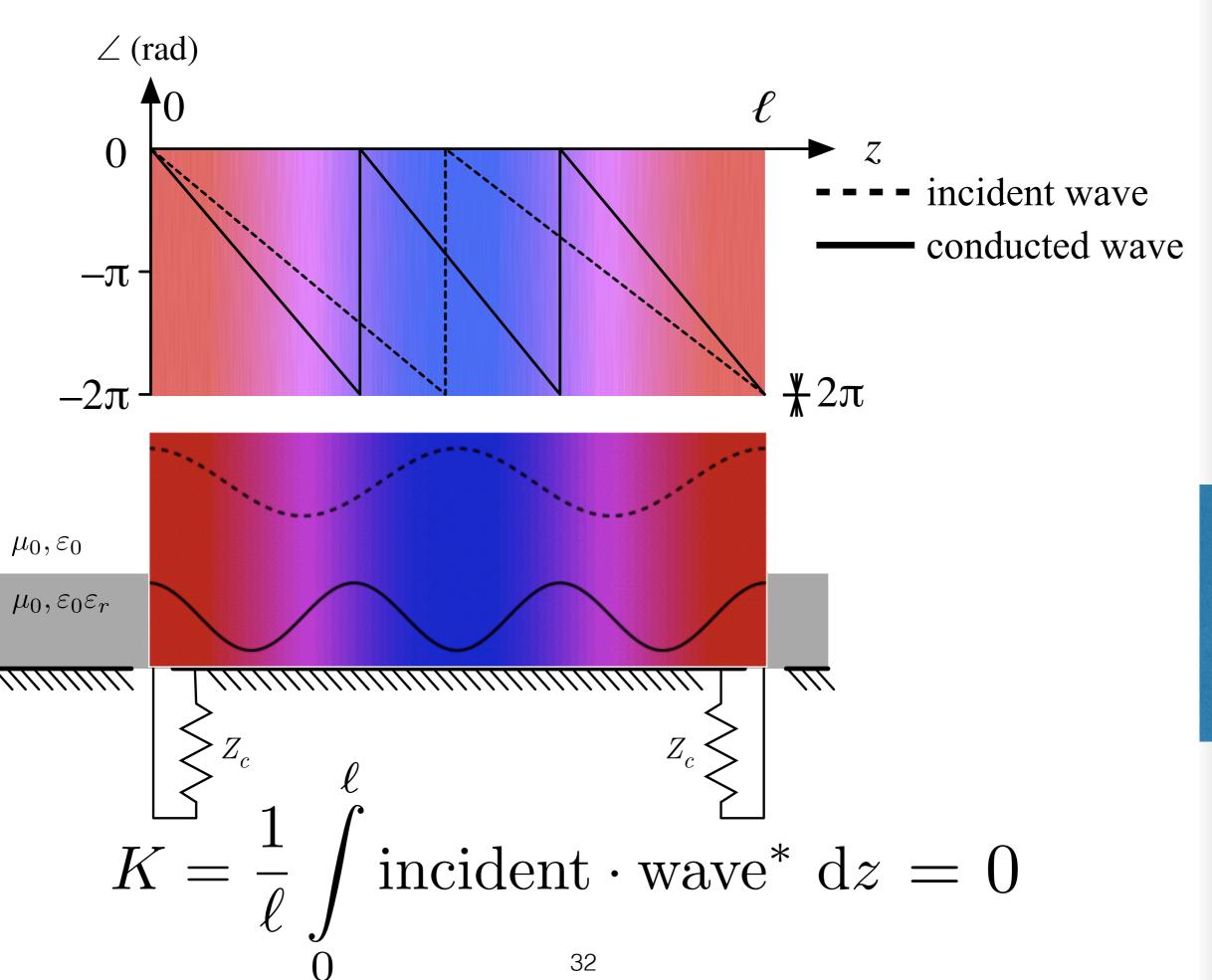


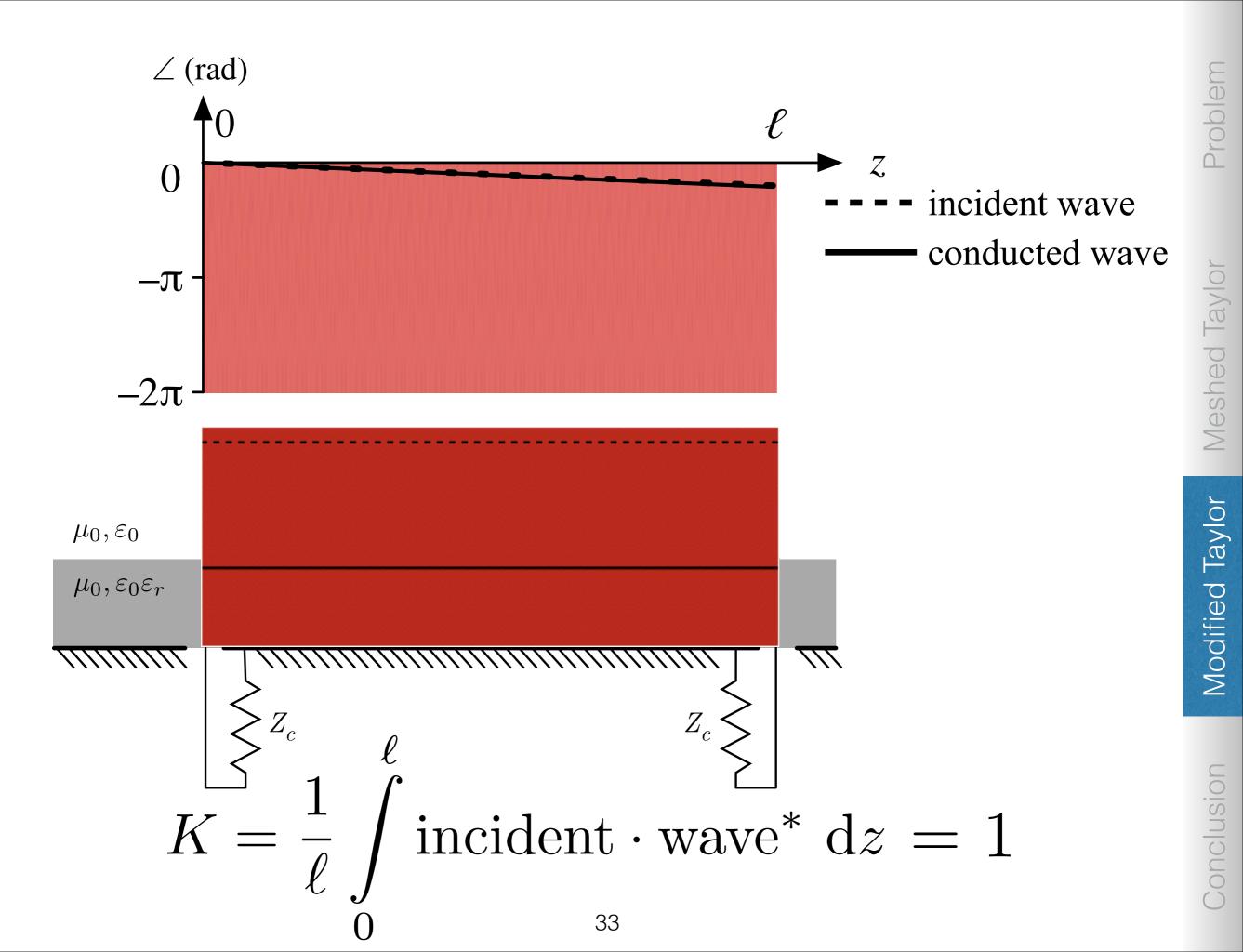


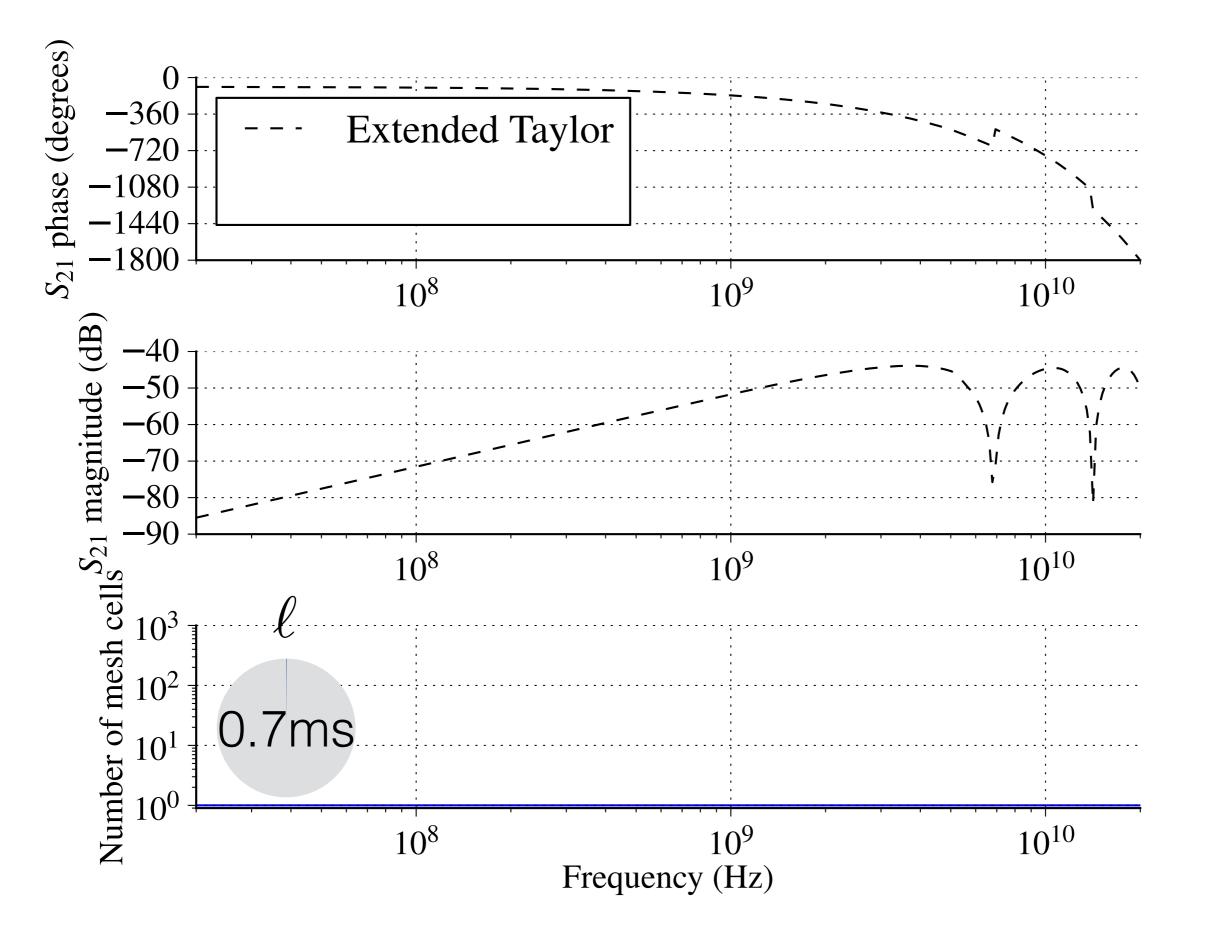
Meshed Taylor

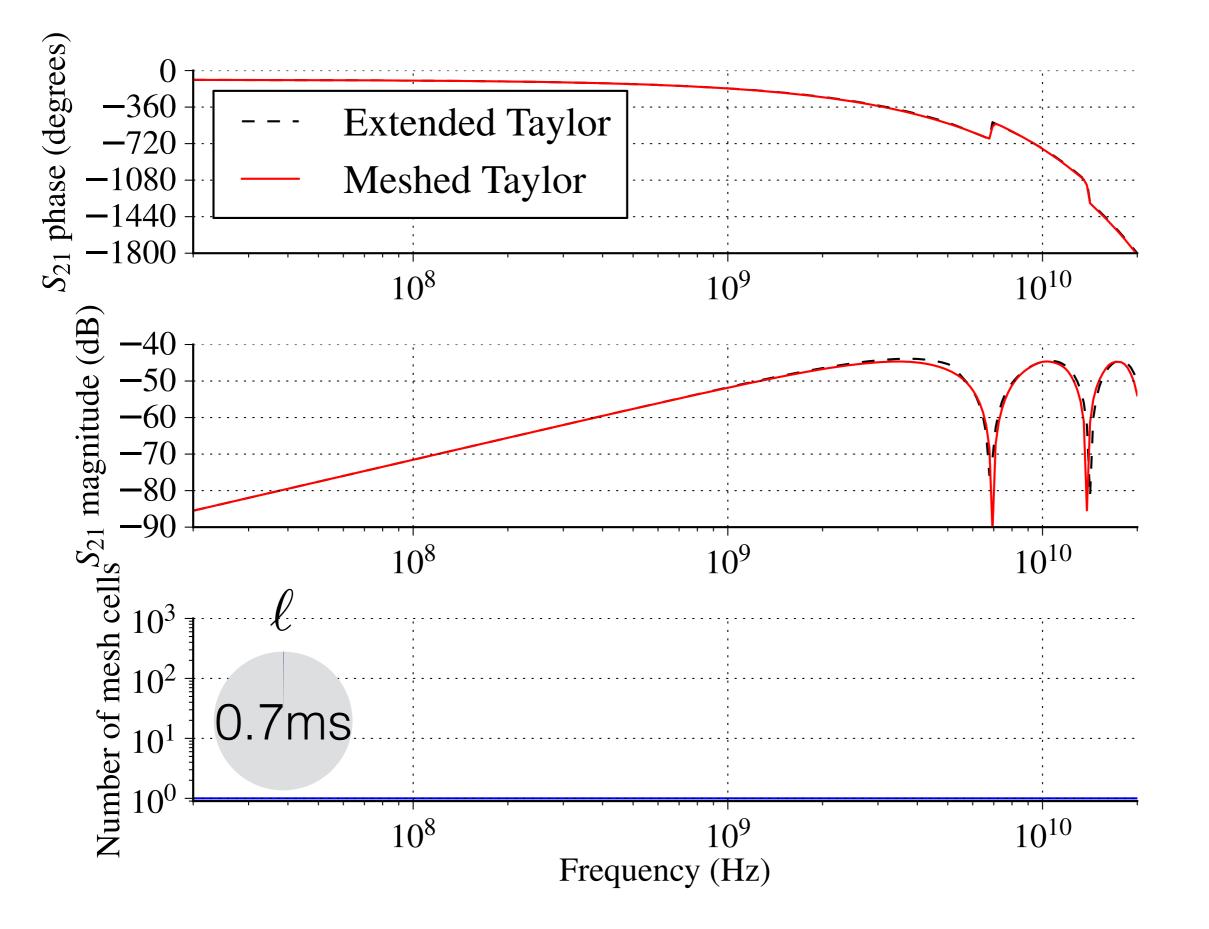










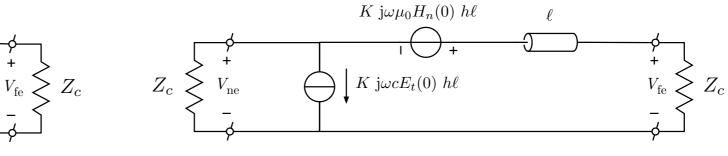


Meshed Tayl

Meshed

 Z_c

+

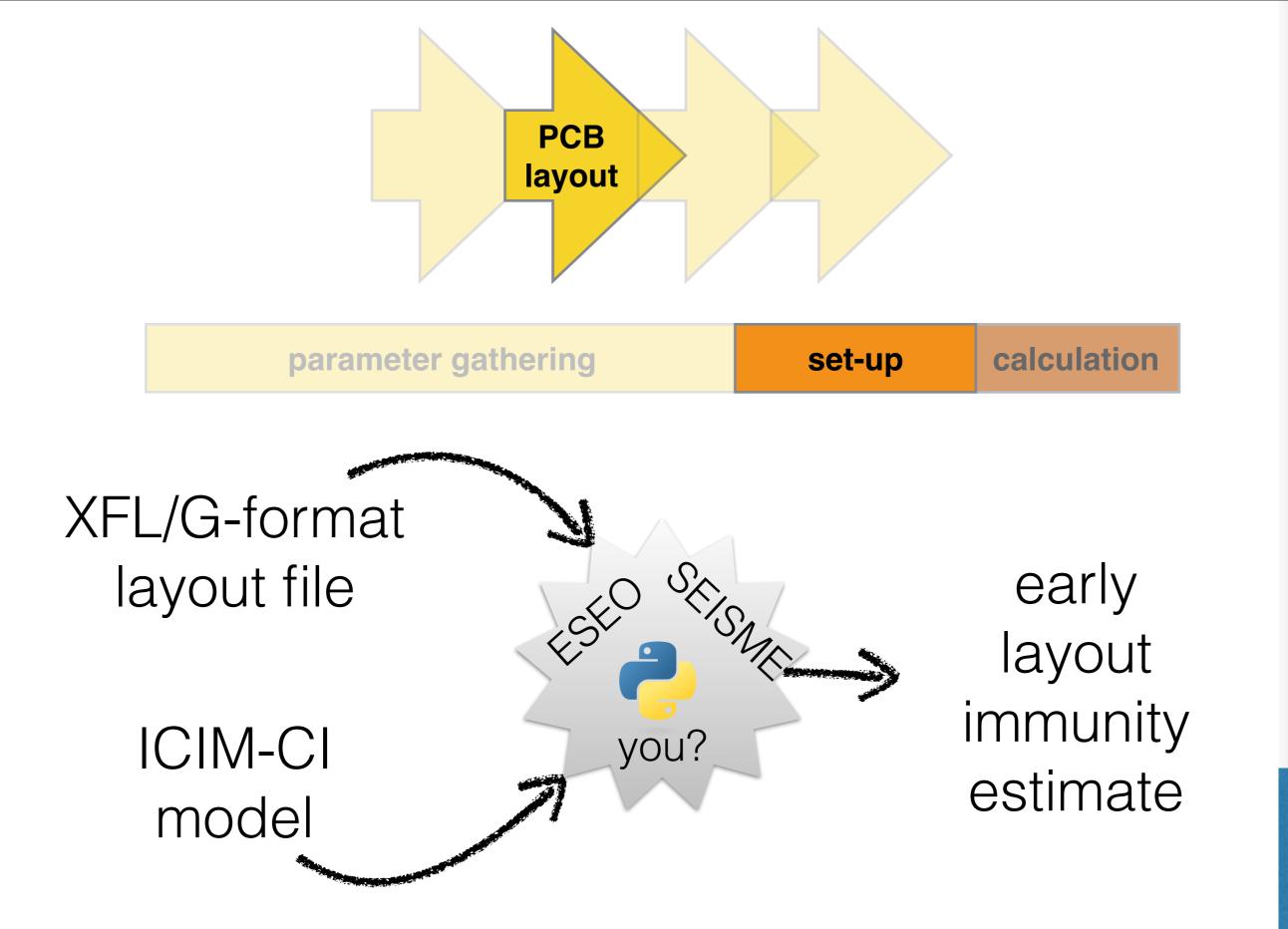


Modified

- 91s (non-adaptive) 0.5s (adaptive)
- O(mesh cells³)
- + more flexible

0.7 ms ullet

- + O(straight segments)
- less flexible



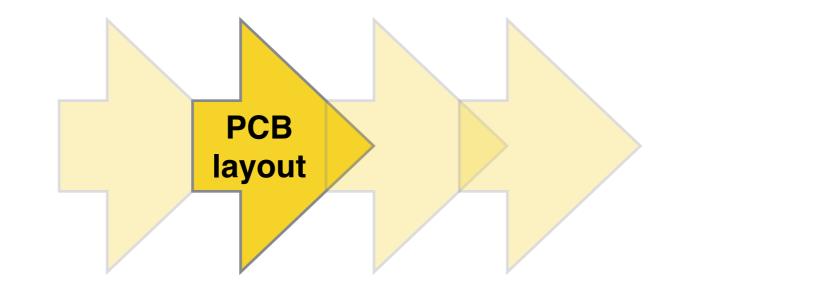
Conclusion

Problem

Meshed Taylo

Taylor

Modified



parameter gathering set-up calculation

<u>www.eseo-emc.fr</u>

