

DSAI Student project "Intelligent AOM"

Quantum Photonics Group / J. Eschner & Team

AOM = acousto-optic modulator

RF = radio frequency signal

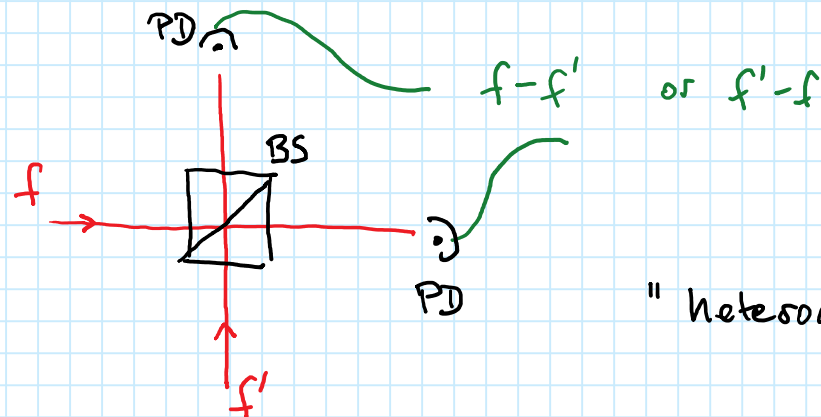
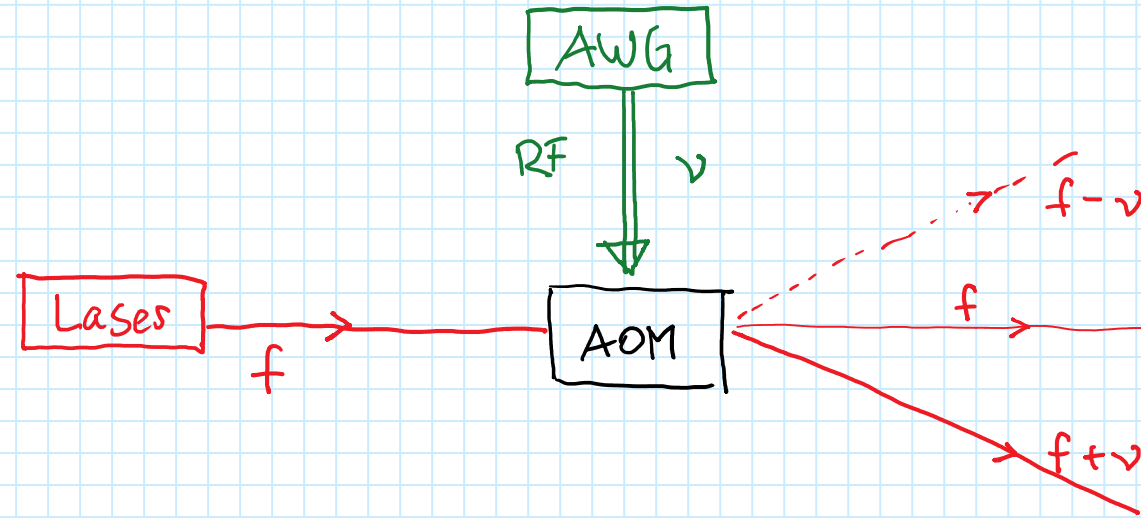
AWG = arbitrary wave generator

f = Laser frequency

ν = radio frequency

BS = beam splitter

PD = photodetector



"heterodyne detection"

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IA

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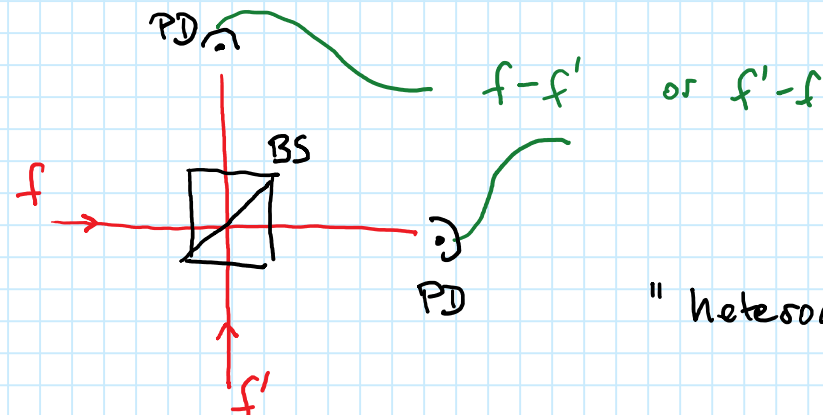
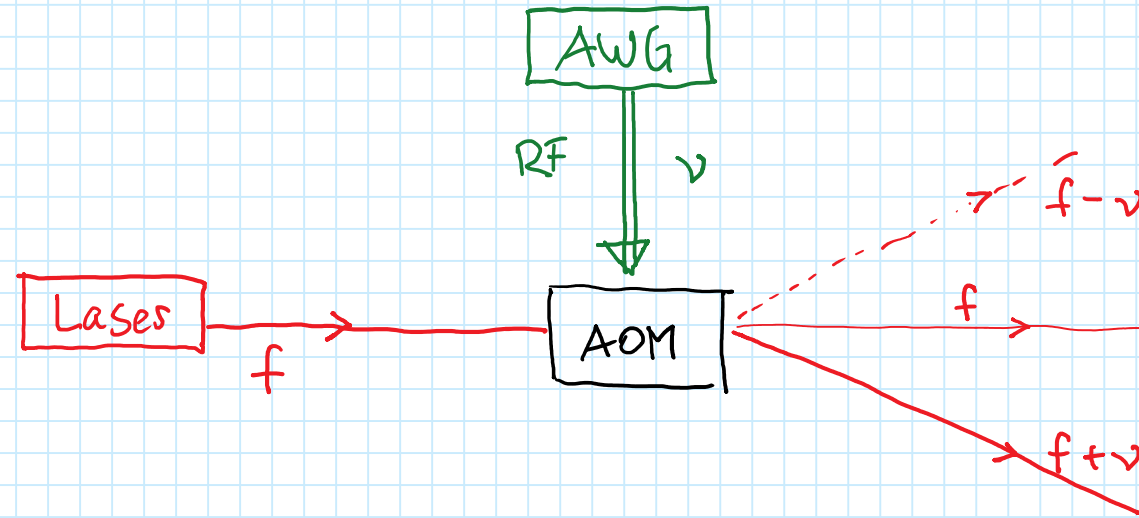
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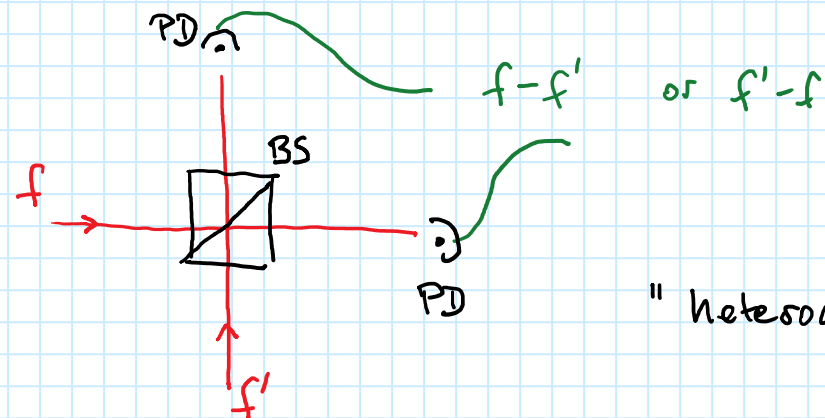
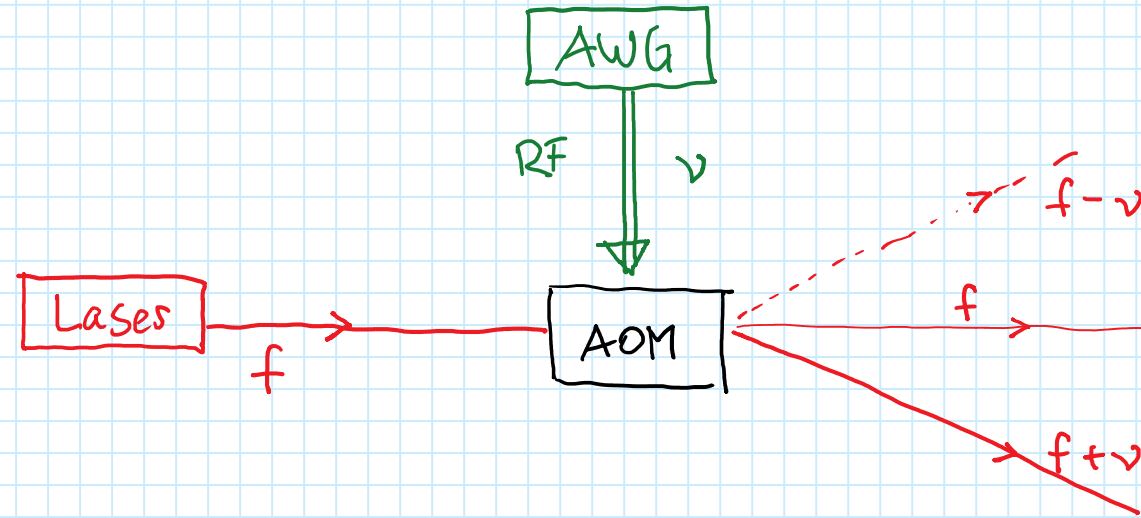
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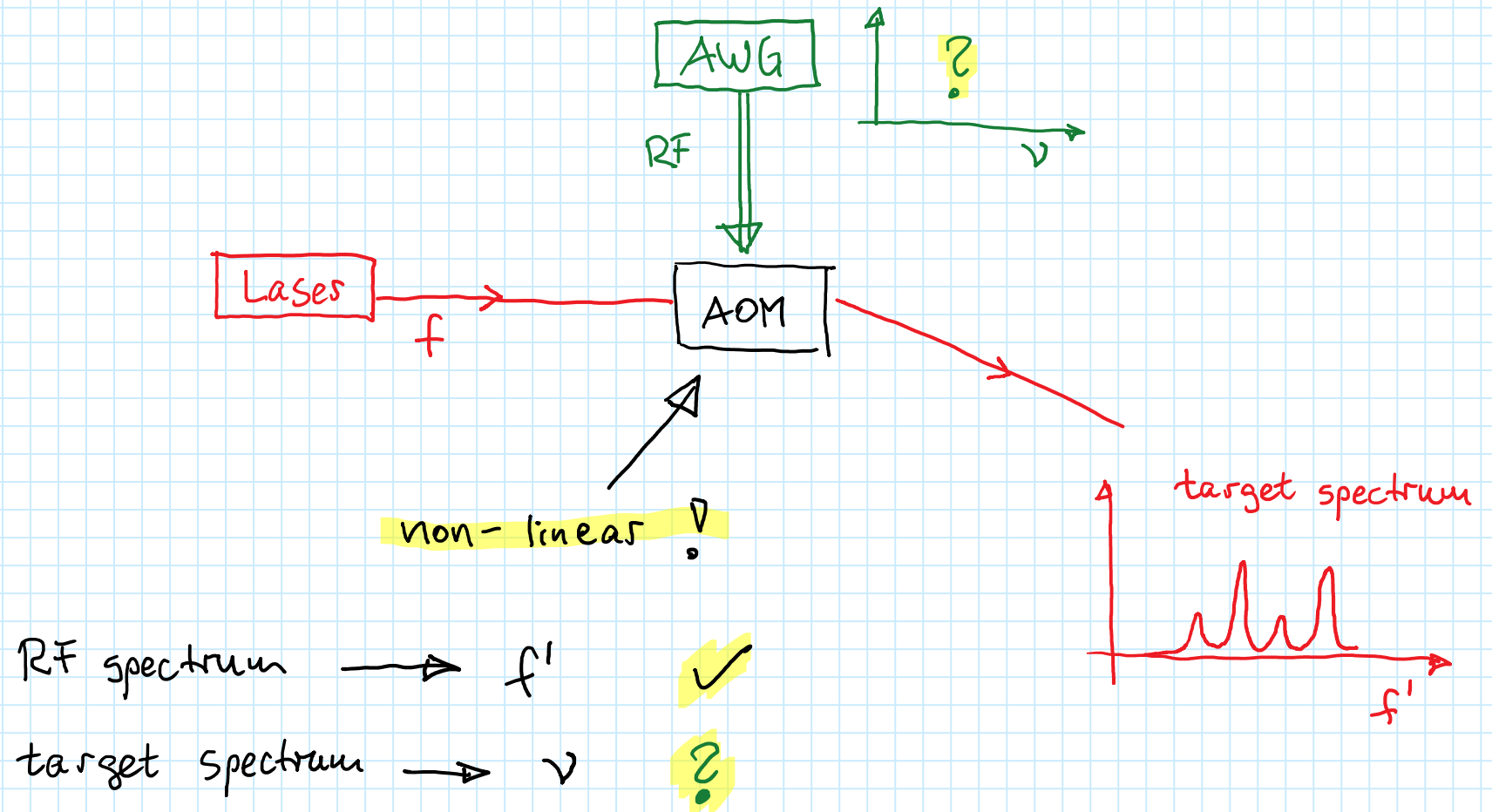


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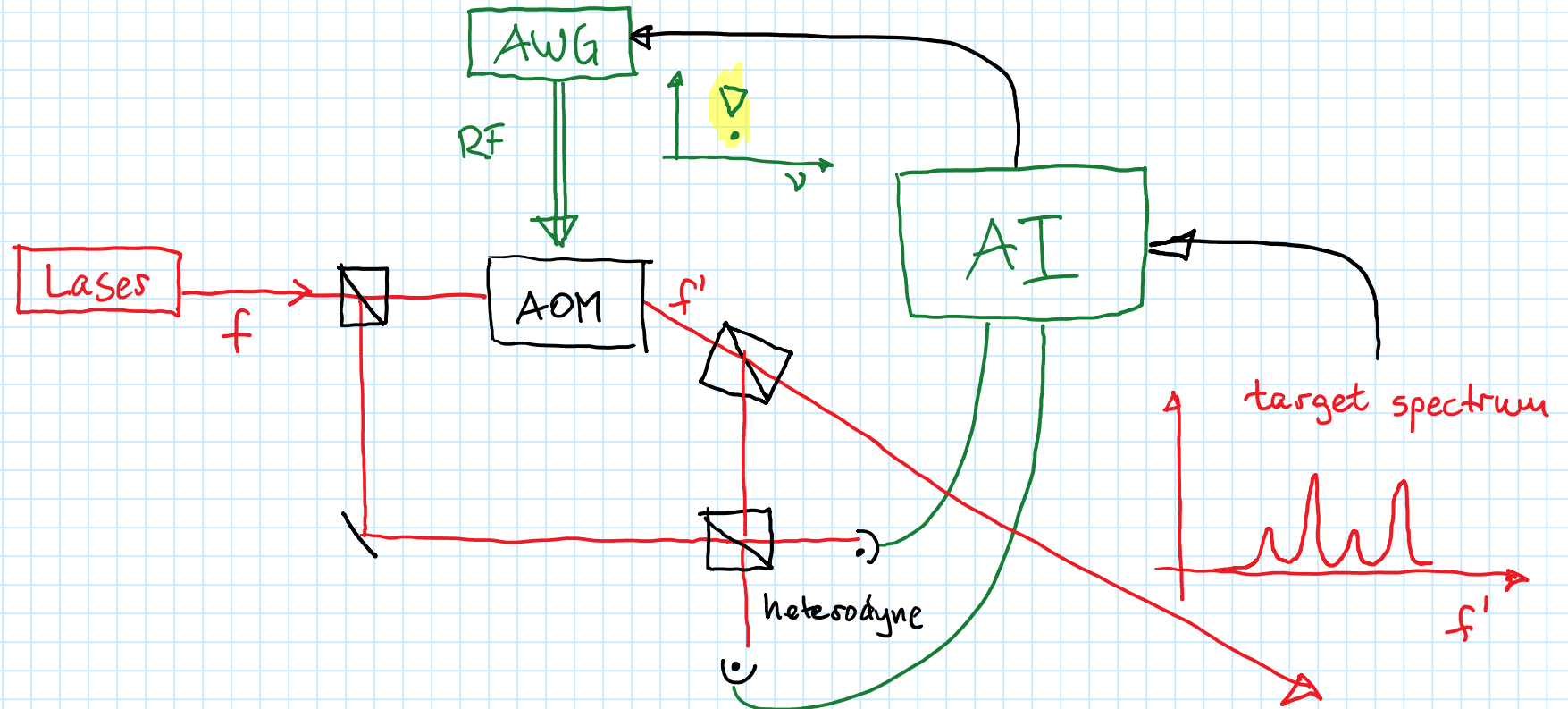
Challenge :



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Solution ?!



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Solution ?!

1st step: simulation

