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FINESSE 2.1 - with Multimode Squeezing

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FINESSE is a free and open source frequency domain modelling software for optical experiments. FINESSE and its Python wrapper PyKat are used in commissioning and design of gravitational wave detectors. We have recently enabled for modelling of multimode squeezing and parametric instability. The parametric instability model has successfully been tested against first experimental results. Further we announce a web page for learning gravitational wave laser interferometry, FINESSE and PyKat. The material is available in HTML and IPython/Jupyter Notebook formats, and is thought to serve as both self-study material for beginners as well as reference material for experienced users.

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