

### Acoustic transmission lines

Physical modelling using transmission lines are applicable in electronics, optics and also in acoustics. In this project transmission lines will be used to determine dimensions and properties of acoustic resonators. Multi-parameter fitting of a mathematical model to electrical measurements will be used. The students will have opportunities to do new measurements and refine the model. The goal is to optimize an ultrasonic actuation system used for making 3D models of solid tumors.

