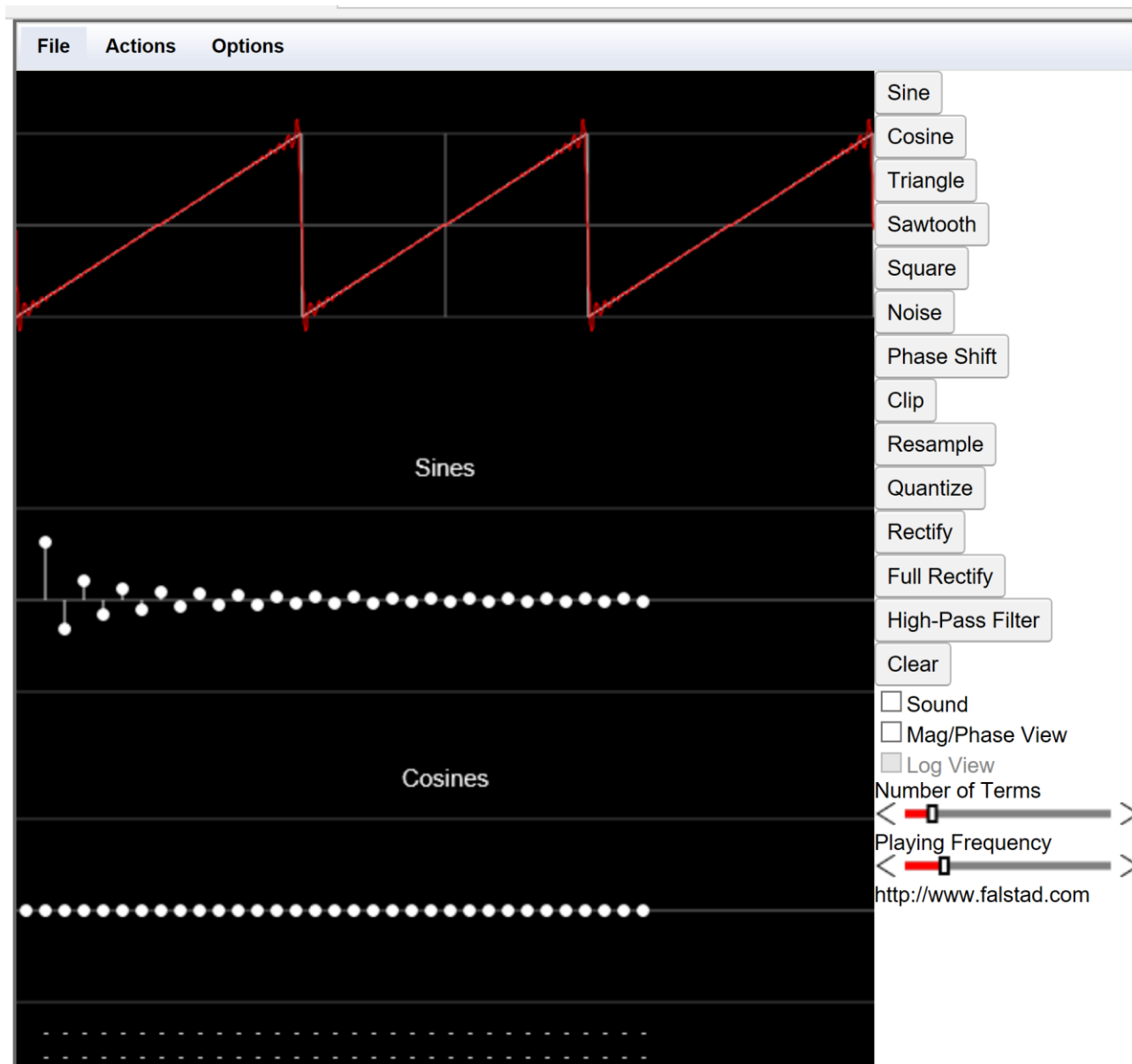


Udforsk Fourieranalyse - studér fouriersyntese

På websitet: <http://www.falstad.com/fourier/> ligger en meget instruktiv applet, der interaktivt demonstrerer fourieranalyse med en række eksempler



This applet demonstrates [Fourier series](#), which is a method of expressing an arbitrary periodic function as a sum of cosine terms. In other words, Fourier series can be used to express a function in terms of the frequencies (harmonics) it is composed of.

To select a function, you may press one of the following buttons: Sine, Triangle, Sawtooth, Square, and Noise. The function is displayed in white, with the Fourier series approximation in red. You can edit the function directly by clicking on it.

[Index of examples.](#)

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website: link fra kapitel 1

Der findes mange sites om Fourieranalyse, og mange med animationer og en vis interaktivitet, fx denne:

<https://www.intmath.com/fourier-series/fourier-graph-applet.php>

Du kan [her](#) finde en kort **film**, der giver en overskueligt indføring i Fourieranalysens verden.

Du kan selv fordybe dig yderligere i Fourieranalysen i **Projekt 1.3 - fourierrækker-med data**, som findes i projektmappen.