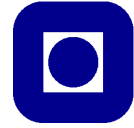


TFY4235/FYS8904
Problemset 10 Spring 2015

PAGE 1 OF 1

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Problem 1.

Generate a random walk of length $32768 = 2^{15}$. Use DAUB4 wavelets to compress the dataset.

Problem 2.

Use DAUB4 wavelets to generate random walk of length 32768. Find the Fourier power spectrum of the generated random walk.