
EXERCISE 8.3: The IDFT can also be expressed as a matrix-vector product. Write out the typical entry of the $N \times N$ IDFT matrix, and then use `MATLAB` to create a 6×6 IDFT matrix. Check your work by multiplying the IDFT matrix by the DFT matrix (in `MATLAB`). Explain why the expected result should be an identity matrix.

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