Cody Costa

EE263

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Homework 3

**PYTHON IMAGE RESULTS:**

Please see attached code files to assignment submission for step-by-step procedure

PROBLEM 1)

A screenshot of a computer program

AI-generated content may be incorrect.

PROBLEM 2)

A computer screen shot of a program code

AI-generated content may be incorrect.

Output:

A collage of different squares

AI-generated content may be incorrect.

PROBLEM 3)

A computer screen shot of a program code

AI-generated content may be incorrect.

Output:

A collage of black and white squares

AI-generated content may be incorrect.

PROBLEM 4)

Reused earlier user defined function dct\_basis with N = 8

A computer screen shot of a program code

AI-generated content may be incorrect.

Output:

A collection of different shades of squares

AI-generated content may be incorrect.

PROBLEM 5)

A computer screen shot of a program code

AI-generated content may be incorrect.

Output area for ‘217644’ = 3

PROBLEM 6)

A screen shot of a computer program

AI-generated content may be incorrect.

Input array:

A computer screen shot of a program code

AI-generated content may be incorrect.

Output:

DCT

A number and numbers on a black background

AI-generated content may be incorrect.

IDCT of DCT

A number with white text

AI-generated content may be incorrect.

Idct(dct(mat)) == mat

Results check out