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Math 362 Fourier Analysis

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Ch. 4.2 HW

Section 4.2

For the vector **v** given, without using MATLAB use the orthogonal expansion vectors , from the Exercise specified to do the following;

1. Using equation 4.6, find the transform **c** of **v**.
2. Use the discrete transform matrix to find the transform **c** of **v**.
3. Use the inverse discrete transform matrix to obtain **v** from **c**.
4. Express **v** as an expansion of

4.2.29

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