

Compute the (Euclidean) length of a vector.

Express the length of a vector in terms of the dot product of that vector with itself.

Evaluate a vector function.

• Solve simple problems that can be represented with vectors.

 Create code for various vector operations and determine their cost functions in terms of the size of the vectors.

 Gain an awareness of how linear algebra software evolved over time and how our programming assignments fit into this. (enrichment)

• Become aware of overflow and underflow in computer arithmetic. (enrichment)

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