GEMS Institute of Higher Education
Department of Mathematics

Geometrical interpretation of scalar product of two vectors

A project work submitted in the partial fulfillment for the degree of High School in Mathematics

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Declaration

Acknowledgment

Abstract

The following project is solely written regarding scalar (dot) product of vectors. It is the geometrical interpretation of the scalar product. The following also includes the special cases as well as the properties of dot product. Angle between the vectors, length of vector, it's scalar projection, etc are also included along with their geometrical representation. Refrences were taken from varioujs websites and text book as cited below. The following pages mainly demonstrate how geometrical interpretation of dot product and it's properties are carried out.

Content: