

Competitive Programming Code and Math Library

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November 2018

Contents

1	Basics	1
	1.1 Cross product	1
2	Examples	1

Geometry

1 Basics

1.1 Cross product

Cross product, in 2D,

$$\vec{v} \times \vec{w} = \|\vec{v}\| \|\vec{w}\| \sin \theta$$

LaTeX

2 Examples

$$\begin{pmatrix} 1 & 2 & -3 \\ 4 & 0 & 1 \end{pmatrix}$$

Figure 1: pmatrix

Matrices