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cVector4f

Fields

Field Name	Туре	Description
x	float	The x value of the vector.
у	float	The y value of the vector.
z	float	The z value of the vector.
w	float	The w value of the vector.

Functions

Return Type	Function Name	Parameters	Description
float	GetElement	uint64 alldx, const	Gets the value at the given index. (Indices $0, 1, 2, $ and 3 are equal to $x, y, z, $ and w respectively.)
void	SetElement		Sets the value at the given index to the given value. (Indices 0, 1, 2, and 3 are equal to x, y, z, and w respectively.)
float	SqrLength	const	Returns the length-squared of this vector.
float	Length	const	Returns the length of this vector.
float	Normalize		Returns the normalization factor for this vector. (See Remarks.)

Remarks

A normalized vector is a vector whose length is equal to one, otherwise known as a unit vector. To convert a vector into a unit vector, get the normalization factor by calling the Normalize function, then divide each of the vector's x, y, z, and w coordinates by that factor.

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