Math API

Photon.Deterministic.FPMath groups the most important classes for math. More...

Classes

struct	Photon.Deterministic.FP A fixed-point number. 16 lower bits are used for the decimal part, 48 for the integral part. More...
struct	Photon.Deterministic.FPBounds2 Represents an 2D axis aligned bounding box (AABB). More...
struct	Photon.Deterministic.FPBounds3 Represents an 3D axis aligned bounding box (AABB). More...
struct	Photon.Deterministic.FPCollision A collection of collision helper functions. More...
class	Photon.Deterministic.FPLut FP lookup table. Used internally by trigonometric and square root functions. More...
struct	Photon.Deterministic.FPMath A collection of common math functions. More...
struct	Photon.Deterministic.FPMatrix2x2 Represents 2x2 column major matrix, which can be used for 2D scaling and rotation. Each cell can be individually accessed as a field (M<row><column>). More...
struct	Photon.Deterministic.FPMatrix3x3 Represents 3x3 column major matrix. Each cell can be individually accessed as a field (M<row><column>), with indexing indexing property[row, column] or with indexing property[index]. More...
struct	Photon.Deterministic.FPMatrix4x4 Represents 4x4 column major matrix. Each cell can be individually accessed as a field (M<row><column>), with indexing indexing property[row, column] or with indexing property[index]. More...
struct	Photon.Deterministic.FPQuaternion A Quaternion representing an orientation. More...
struct	Photon.Deterministic.FPVector2 Represents a 2D Vector More...
struct	Photon.Deterministic.FPVector3 Represents a 3D Vector More...
struct	Photon.Deterministic.NullableFP

	A serializable equivalent of Nullable<FP>. More...
struct	Photon.Deterministic.NullableFPVector2 A serializable equivalent of Nullable<FPVector2>. More...
struct	Photon.Deterministic.NullableFPVector3 A serializable equivalent of Nullable<FPVector3>. More...
struct	Photon.Deterministic.NullableNonNegativeFP A serializable equivalent of Nullable<FP>. More...

Detailed Description

Photon.Deterministic.FPMath groups the most important classes for math.