



T : typename	T : typename
Sphere	Transform
+ AddPoint(Vector3<T>&) :bool + GetOrigin() :Vector3<T>& {query} + GetRadius() :T {query} + IsContained(Vector3<T>&) :bool {query} + SetOrigin(Vector3<T>&) :void + SetPoints(Vector3<T>*, U32) :void + SetRadius(T) :void + Sphere() + Sphere(Vector3<T>&, T)	+ AffineInvert() :void + AffineInvertTranspose() :void + GetTranslation() :Vector3<T> {query} + GetVectorForward() :Vector3<T> {query} + GetVectorRight() :Vector3<T> {query} + GetVectorUp() :Vector3<T> {query} + Identity() :Transform + Invert() :bool + IsAffine() :bool {query} + IsIdentity() :bool {query} + operator-() :Transform {query} + operator-(Transform&) :Transform {query} + operator=(Transform&) :Transform& + operator!(Transform&) :bool {query} + operator()(U32, U32) :T& {query} + operator()(U32, U32) :T& + operator*(Transform&) :Transform {query} + operator*(T) :Transform {query} + operator==(Transform&) :Transform& + operator==(T) :Transform& + operator[](U32) :T& {query} + operator[](U32) :T& + operator+(Transform&) :Transform {query} + operator+=(Transform&) :Transform& + operator==(Transform&) :bool {query} + Regenerate() :void + Rotate(T, Vector3<T>&) :void + Rotate(Transform&, Vector3<T>&) :Vector3<T> + RotateX(T) :void + RotateY(T) :void + RotateZ(T) :void + Scale(T, T, T) :void + Scale(Vector3<T>&) :void + Scale(T) :void + ScaleX(T) :void + ScaleY(T) :void + ScaleZ(T) :void + SetIdentity() :void + SetRotation(T, T, T) :void + SetRotation(Vector3<T>&) :void + SetRotation(T, Vector3<T>&) :void + SetRotation(Vector3<T>&, Vector3<T>&, Vector3<T>&) :void + SetRotationX(T) :void + SetRotationY(T) :void + SetRotationZ(T) :void + SetScale(T) :void + SetScale(T, T, T) :void + SetScale(Vector3<T>&) :void + SetTranslation(T, T, T) :void + SetTranslation(Vector3<T>&) :void + Transform() + Transform(T, T, T, T, T, T, T, T, T, T, T, T, T, T, T, T) + Transform(T*) + Transform(Transform&, Vector3<T>&) :Vector3<T> + Translate(T, T, T) :void + Translate(Vector3<T>&) :void + TranslateX(T) :void + TranslateY(T) :void + TranslateZ(T) :void + Transpose() :void

T : typename	T : typename
Vector2	Vector3
+ AxisX() :Vector2 + AxisY() :Vector2 + Cross(Vector2&, Vector2&) :T + Dot(Vector2&, Vector2&) :T + GetLength() :T {query} + GetLengthSquared() :T {query} + IsZero() :bool {query} + Max(Vector2&, Vector2&) :Vector2 + Min(Vector2&, Vector2&) :Vector2 + MinMax(Vector2&, Vector2&, Vector2*, U32) :void + Normalize() :void + operator-() :Vector2 {query} + operator-(Vector2&) :Vector2 {query} + operator-() :Vector2 {query} + operator=(Vector2&) :Vector2& + operator=(T) :Vector2& + operator!=(Vector2&) :bool {query} + operator!(T) :bool {query} + operator*(Vector2&) :Vector2 {query} + operator*(T) :Vector2 {query} + operator+=(Vector2&) :Vector2& + operator+=(T) :Vector2& + operator/(Vector2&) :Vector2 {query} + operator/(T) :Vector2 {query} + operator=(Vector2&) :Vector2& + operator=(T) :Vector2& + operator[](size_t) :T& {query} + operator[](size_t) :T& + operator*(Vector2&) :T {query} + operator+(Vector2&) :Vector2 {query} + operator+(T) :Vector2 {query} + operator+=(Vector2&) :Vector2& + operator+=(T) :Vector2& + operator==(Vector2&) :bool {query} + operator==(T) :bool {query} + Set(T) :void + Set(T, T) :void + SetZero() :void + Sign() :void + Vector2() + Vector2(T) + Vector2(T, T) + ZeroVector() :Vector2	+ AxisX() :Vector3 + AxisY() :Vector3 + AxisZ() :Vector3 + Cross(Vector3&, Vector3&) :Vector3 + Dot(Vector3&, Vector3&) :T + GetLength() :T {query} + GetLengthSquared() :T {query} + IsZero() :bool {query} + Max(Vector3&, Vector3&) :Vector3 + Min(Vector3&, Vector3&) :Vector3 + MinMax(Vector3&, Vector3&, Vector3<T>*, U32) :void + Normalize() :void + operator-() :Vector3 {query} + operator-(Vector3&) :Vector3 {query} + operator-(T) :Vector3 {query} + operator=(Vector3&) :Vector3& + operator=(T) :Vector3& + operator!=(Vector3&) :bool {query} + operator!(T) :bool {query} + operator*(Vector3&) :Vector3 {query} + operator*(T) :Vector3 {query} + operator+=(Vector3&) :Vector3& + operator+=(T) :Vector3& + operator/(Vector3&) :Vector3 {query} + operator/(T) :Vector3 {query} + operator=(Vector3&) :Vector3& + operator=(T) :Vector3& + operator[](size_t) :T& {query} + operator[](size_t) :T& + operator*(Vector3&) :Vector3 {query} + operator+(Vector3&) :Vector3 {query} + operator+(T) :Vector3 {query} + operator+=(Vector3&) :Vector3& + operator+=(T) :Vector3& + operator==(Vector3&) :bool {query} + operator==(T) :bool {query} + Set(T) :void + Set(T, T, T) :void + SetZero() :void + Sign() :void + Vector3() + Vector3(T) + Vector3(T, T, T) + ZeroVector() :Vector3

T : typename
Vector4
+ AxisW() :Vector4 + AxisX() :Vector4 + AxisY() :Vector4 + AxisZ() :Vector4 + Dot(Vector4&, Vector4&) :T + GetLength() :T {query} + GetLengthSquared() :T {query} + IsZero() :bool {query} + Max(Vector4&, Vector4&) :Vector4 + Min(Vector4&, Vector4&) :Vector4 + MinMax(Vector4&, Vector4&, Vector4<T>*, U32) :void + Normalize() :void + operator-() :Vector4 {query} + operator-(Vector4&) :Vector4 {query} + operator-(T) :Vector4 {query} + operator=(Vector4&) :Vector4& + operator=(T) :Vector4& + operator!=(Vector4&) :bool {query} + operator!(T) :bool {query} + operator*(Vector4&) :Vector4 {query} + operator*(T) :Vector4 {query} + operator+=(Vector4&) :Vector4& + operator+=(T) :Vector4& + operator/(Vector4&) :Vector4 {query} + operator/(T) :Vector4 {query} + operator=(Vector4&) :Vector4& + operator=(T) :Vector4& + operator[](size_t) :T& {query} + operator[](size_t) :T& + operator+(Vector4&) :Vector4 {query} + operator+(T) :Vector4 {query} + operator+=(Vector4&) :Vector4& + operator+=(T) :Vector4& + operator==(Vector4&) :bool {query} + operator==(T) :bool {query} + Set(T) :void + Set(T, T, T, T) :void + SetZero() :void + Sign() :void + Vector4() + Vector4(T) + Vector4(T, T, T, T) + ZeroVector() :Vector4