Node Vec Math Items ADD: Add. A + B. **SUBTRACT:** Subtract. A - B. **MULTIPLY:** Multiply. Entry-wise multiply. **DIVIDE:** Divide. Entry-wise divide. MULTIPLY_ADD: Multiply Add. A * B + C. CROSS_PRODUCT: Cross Product. A cross B. PROJECT: Project. Project A onto B. **REFLECT:** Reflect. Reflect A around the normal B. B doesn't need to be normalized.. **REFRACT:** For a given incident vector A, surface normal B and ratio of indices of refraction, Ior, refract returns the refraction vector, R. **FACEFORWARD:** Faceforward. Orients a vector A to point away from a surface B as defined by its normal C. Returns (dot(B, C) < 0)? A:-A. **DOT PRODUCT:** Dot Product. A dot B. **DISTANCE:** Distance. Distance between A and B. LENGTH:

Length.

Scale.

SCALE:

Length of A.

A multiplied by Scale. **NORMALIZE:** Normalize. Normalize A. **ABSOLUTE:** Absolute. Entry-wise absolute. MINIMUM: Minimum. Entry-wise minimum. **MAXIMUM:** Maximum. Entry-wise maximum. FLOOR: Floor. Entry-wise floor. **CEIL:** Ceil. Entry-wise ceil. FRACTION: Fraction. The fraction part of A entry-wise. **MODULO:** Modulo. Entry-wise modulo using fmod(A,B). WRAP: Wrap. Entry-wise wrap(A,B). **SNAP:** Snap. Round A to the largest integer multiple of B less than or equal A. SINE: Sine. Entry-wise sin(A).

COSINE:

Cosine.

Entry-wise cos(A).

TANGENT:

Tangent.

Entry-wise tan(A).

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