

scifir::scalar_unit

scifir::angle

scifir::vector_unit_2d

theta

The diagram illustrates the decomposition of a 2D vector unit into its scalar and angular components. At the bottom, a gray box labeled 'scifir::vector_unit_2d' represents the vector. A solid blue arrow points from this box to a white box labeled 'scifir::scalar_unit', representing the magnitude. A dashed purple arrow points from the same box to a white box labeled 'scifir::angle', representing the direction. The label 'theta' is placed next to the dashed arrow, indicating the angle.