

1 | orthogonal def

Two vectors $u, v \in V$ are called *orthogonal* if $\langle u, v \rangle = 0$

2 | results

2.1 | **orthogonal \sim perpendicular**

2.2 | **Axler 6.12 orthogonality and zero**

2.2.1 | **0 is orthogonal to every vector in V**

2.2.2 | **0 is the only vector in V that is orthogonal to itself**