



Orthogonal Complements

1 Why

TODO

2 Definition

The *orthogonal complement* of a subset of an inner product space is the set of vectors which are orthogonal to every vector in the subset.

2.1 Notation

Let (V, \mathbf{F}) be a vector space and $U \subset V$. We denote the orthogonal com-

Orthogonal

Inner

Ve

