

Subspace /: Subspace[*vs_*, *gen1s_*] +

Subspace[*vs_*, *gen2s_*] :=

CF@Subspace[*vs*, *gen1s* \cup *gen2s*]

Subspace /: *sub1_Subspace* \cap *sub2_Subspace* :=

Perp[Perp[*sub1*] + Perp[*sub2*]]