Def. UDD = U.V - 11WI IIVII Det. u and vare said to be orthogonal if (u,v)=0. TRM. 1/4+V11=1/4112+1/V112 if U and vare orthogonal · Projections Projection of V onto U P= 11 VII cost 4 = 11V11 (UIV) (1) $= \underbrace{(u,v)}_{||u||^2} \underbrace{(u,v)}_{||u||^2} \underbrace{u}_{||u||^2}$