1-VU Lecture VII 1-st December 2016 Angular momentum. Li= [Fxp] Li= it Eirm Xkom [Lo, Lk] = 1 Eixm Lm (b=1) Recall $\forall (x) = \int \phi(p) e^{\frac{ipx}{h}} dp = \sum \phi(p) e^{\frac{ipx}{h}}$ Ta e = e e e Fourier transform is expension of module L'(12') over irreducible representations of translation group. J. Comder SO(3) [SO(3), V] SOU) = 9 - 48(F) = 4(g-1F)

Perform expersion of V over irreducible

specer of SO(3)



