































WAVEFUNCTIONS ARE EXPANDED IN TERMS OF SOME BASIS SET (GAUSSIANS, PLANEWAVES, MTOS, APWS ETC ...) $\Psi_{is}(\mathbf{r}) = \sum_{j\sigma} C_{j\sigma}^{is} \mathbf{f}_{j}(\mathbf{r}) \chi_{\sigma}$ $\left\langle \mathbf{f}_{j} \chi_{\sigma} \middle| U(\mathbf{r}, \mathbf{p}, \mathbf{S}) \middle| \mathbf{f}_{k} \chi_{\sigma'} \right\rangle = ?$

















Mn ₁₂ vs Mn ₁₀ ?				
	Total Spin	Local Spins	Interference?	Anisotropy
Mn ₁₂ :	S=10	S=3/2 and S=2	Constructive	Large
Mn ₁₀ :	S=12/13	S=5/2	Destructive	Small
			The second secon	































