

38.3 Addition of angular momenta

$$S=1 \quad m=1, 0, -1$$

$$|1 \ 1\rangle = \uparrow \uparrow$$

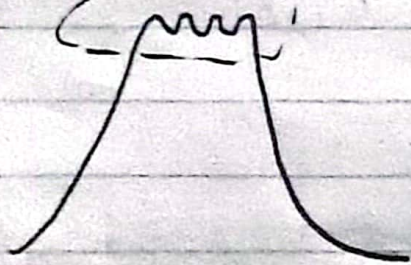
$$|1 \ 0\rangle = \frac{1}{\sqrt{2}} (\uparrow \downarrow + \downarrow \uparrow)$$

$$|1 \ -1\rangle = \downarrow \downarrow$$

} Triplet configurations

Triplet configuration
atom

Triplet configuration



and singlet configuration of
singlet configuration

Singlet configuration

