

## COUPLING OF TWO ANGULAR MOMENTA USING GRAPHICAL METHODS

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Abstract : Graphical techniques standing from well-known theory of angular momenta coupling, are developed to provide an improved understanding of the addition of two angular momenta. Such methods are used to find, when  $j_1$  and  $j_2$  being given, which are the values of the total angular momentum  $J$  that are carried out, how much of distinct subspaces are associated to each, and how the eigenvectors of  $J^2$  and  $J_z$  be developed on the product basis in terms of Clebsch-Gordan coefficients. A practical evaluation of Clebsch-Gordan coefficients is also given. Concrete examples are given for this general method.