## World Academy of Science, Engineering and Technology International Journal of Mathematical and Computational Sciences Vol:9, No:12, 2015

## The Weights of Distinguished sl2-Subalgebras in Dn

Authors: Yassir I. Dinar

Abstract: We computed the weights of the adjoint action of distinguished sl2-triples in Lie algebra of type Dn using

mathematical induction.

**Keywords:** lie algebra, root systems, representation theory, nilpotent orbits

Conference Title: ICMCS 2015: International Conference on Mathematics and Computational Science

**Conference Location :** Bangkok, Thailand **Conference Dates :** December 17-18, 2015