

1135-20-1055

Avantha Kodithuwakku* (kaa0006@auburn.edu), Department of Mathematics, Auburn University, Auburn, AL 36849. *Structure of Symmetry Classes of Tensors Associated with Characters of a Group.*

Certain properties and the structure of symmetry classes of tensors associated with different types of characters of a finite group will be discussed, emphasizing the importance of idempotent property of certain symmetrizers in studying the symmetry classes. Furthermore I will also discuss the ongoing work on geometry of standard symmetrized tensors. (Received September 19, 2017)