

1106-VJ-1721      **Reyes M Ortiz-Albino\*** ([reyes.ortiz@upr.edu](mailto:reyes.ortiz@upr.edu)), 1011 Sonsire Chalets, Mayaguez, PR 00682,  
and **Adolfo G Vargas**. *Some topics on type of relations in the theory of*  
 *$\tau$ -factorizations*. Preliminary report.

A theory of generalized factorization was created by Anderson and Frazier in 2006. The main idea is either to restrict the product into a desired set or to allow elements to multiply only when they are related with respect to a given symmetric relation. For this talk we glance over the main three type of relations studied in the past, present any other type of relation can be created and which type of properties they may have. Will give examples of relations that have good behavior under certain circumstances. (Received September 16, 2014)