MATHEMATICAL-CHEMICAL INVESTIGATION OF ORGANIC MOLEKULES END THEIS TRANSFORMATION

M. Gverdtsiteli[a], K. Giorgadze[b],
e-mail: mikheil.gverdtsiteli@tsu.ge
[a,b] Department of Chemistry, Faculty of Exact and Natural science,
Iv. Javakhishvili Tbilisi State University,
3, Chavchavadze Ave.

Within the scope of quasi-ANB-matrices method mathematic-chemical investigation of carbon acids was carried out. Three correlation equation constructed and investigated. Correlations are satisfactory. Shannon's information entropies were calculated for these compounds. on the basis of the formula:

$$H=-\sum_{pi}\log_2 pi$$

Within the scope of quasi-ANB-matrices method the reactions of acetylene trimerization and cyclotrimerization were carried out. These reactions proceed with the decrease of molecular complexity. The reaction of acetylene trimerization proceed with in crease Shannon's information entropy, in the case of cyclotrimerization. Shannon's information entropy remains unhingel