

## **Abstract**

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Dehmer M., Varmuza K.:

### **On aspects of the degeneracy of topological indices**

In this paper, we study the degeneracy of topological indices. Topological indices are important tools in chemoinformatics.

To perform our study, we apply classical as well as such indices which are based on using information theory. After discussing some essential properties of topological indices, we also state some results concerning their computational complexity.

Finally, we use real and synthetic chemical structures to evaluate the discrimination power of some selected indices and interpret the results.