

Estimating the Vertex *PI* Index

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Z. Naturforsch. **65a**, 240 – 244 (2010); received March 7, 2009 / revised August 18, 2009

The vertex *PI* index is a distance-based molecular structure descriptor, that recently found numerous chemical applications. Lower and upper bounds for *PI* are obtained, as well as results of Nordhaus-Gaddum type. Also a relation between the Szeged and vertex *PI* indices is established.

Key words: Molecular Graph; Vertex *PI* Index; Edge *PI* index; Molecular Structure Descriptor; Topological Index; Distance (in Graph); Estimating the Vertex *PI* Index