## **Turkish Journal of Chemistry**

**Turkish Journal** 

The Effect of Peripheral Circuits on the Total  $\pi$ -Electron Energies of Cyclacenes

of

Chemistry

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Keywords

Abstract: Within the framework of the Hückel molecular orbital theory, certain linear models are developed to express the contribution of peripheral circuits of cyclacenes into their total  $\pi$ -electron energies, which explain why cyclacenes exhibit the cryptoannulenic behavior as their peripheral circuits which are annulenic in character.



Turk. J. Chem., 24, (2000), 217-222.

Full text: pdf

Other articles published in the same issue: Turk. J. Chem., vol. 24, iss. 3.

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