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borane; 4 Dynamic Behavior of Cyclic Allylboranes; 4.1 Dynamic Equilibria Between 2-(Dialkylboryl)methylenecyclobutanes and 1-(Dialkylboryl)cyclobutenes; 4.2 Dynamic Properties of Cyclopentadienyl and Pentamethylcyclopentadienyl Derivatives of Boron; 4.3 Synthesis and Dynamic Properties of 1-Indenyl(diethyl)borane  
4.4 Dynamic Behavior of Cycloheptadienyl(di-n-propyl)borane  
4.5 Synthesis and Dynamic Properties of Cycloheptatrienyl(di-n-propyl)borane. Equilibrium with 7-(Di-n-propylboryl)norcaradiene; 4.6 Three Independent Dynamic Processes in the Irontricarbonyl Complex of Cycloheptatrienyl(di-n-propyl)borane; 4.7 Cyclooctatetraenyl(di-n-propyl)borane; 4.8 Sigmatropic Migrations and Thermal Rearrangements in Cyclononatetraenyl(di-n-propyl)borane. Comparison with the Dynamic Properties of Cyclononatetraenyl(trimethyl)tin; 4.9 Borotropic Migrations in Phenalenyl(di-n-propyl)borane 24

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2.3 Features of Dynamic Behavior of Amido Cyclopentadienyl Complexes of Group 5 Transition Metals  
2.4 Internal Hindered Rotation of Ketimido Ligands; 3 Dynamic Behavior of d(0) Transition Metal Complexes with n-Donor Two-Center Ligands; 3.1 Isomerization of Fluorocomplexes of Group 5-6 with O, N-Two-Center Ligands; 3.2 Isomerism of Transition Metal Complexes with N, N-Two-center Ligands; 3.3 Nature of Bonding of n-Donor Two-center Ligands in d(0) Transition Metal Complexes; 3.4 Mechanism of Internal Hindered Rotation of h(2)-Bound Ligands; 4 Conclusion; 5 References

4 Conformational Mobility in Chelated Square-planar Rh, Ir, Pd, and Pt Complexes

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### Sommario/riassunto

This series offers leading contributions by well-known chemists reviewing the state of the art of this wide research area. Physical organometallic chemistry aims to develop new insights and to promote novel interest and investigations applicable to organometallic chemistry. This volume focuses on several important topics on fluxionality in organometallic and coordination chemistry, reviewed by experts in each of the respective fields. It is intended to provide both authoritative concepts and stimulating ideas in order to tackle dynamics from different angles, aiming at an interdisciplinary a

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