Ch 112
In class exercise
Oct 12, 2017

Problem 1
Consider $Cp_2M(H)_2$.

2.1 Predict the geometry of $Cp_2M(H)_2$.

2.2 Provide a molecular orbital theory argument.

2.3 Assuming that $Cp_2M(H)_2$ is an $18e^-$ complex, assign M to a second row transition metal.

Problem 2
Consider $Cp_2M(\eta^2-C_2H_4)$.

2.1 Predict the structure of $Cp_2M(\eta^2-C_2H_4)$.

2.2 Provide a molecular orbital theory argument.

2.3 Assuming that $Cp_2M(\eta^2-C_2H_4)$ is an $18e^-$ complex, assign M to a second row transition metal.