



Massachusetts Institute of Technology

Organic Chemistry 5.13

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Prof. Timothy F. Jamison

Notes for Lectures 17 and 18

From Woodward, R. B.; Hoffmann, R., *The Conservation of Orbital Symmetry*

Figure 28 removed due to copyright restrictions.
Please see: Woodward, R. B., R. Hoffmann. *The Conservation of Orbital Symmetry*.
[Weinheim/Bergstr.], Verlag Chemie, 1970.

Woodward-Hoffmann Rules for Sigmatropic Rearrangements

# Electrons	Stereochemical Course	
	Thermal Mode	Photochemical Mode
$4n + 2$	[s,s]	[s,a]
$4n$	[s,a]	[s,s]