

**Math 224**  
**Daily Objectives**  
**Class Session 22**  
**Tuesday, November 14, 2007**

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**6.3: Orthogonal Matrices**

- Definition of an orthogonal matrix
- Characterizing properties of an orthogonal matrix (Thm. 6.5)
- Properties of  $A\mathbf{x}$  for an orthogonal matrix  $A$  (Thm. 6.6)
- In-class worksheet on properties of orthogonal matrices