

Math 224
Daily Objectives
Class Session 12
Thursday, October 4, 2007

4.2: The Determinant of a Square Matrix

- Minor matrices and cofactors
- Definition of the determinant
- General expansion by minors on the r^{th} row or s^{th} column
- Properties 1-5 of determinants
- Determinant criterion for invertibility
- Multiplicative property of the determinant
- Computing determinants in Maple

4.3: Computation of Determinants

- Computation of a determinant using pivots (p. 263-265; Examples 1 and 2 in Section 4.3)