Click here to download a pdf version of this document.

Matrix Algebra with Applications
Errata and brief additions to text

MATH 308
Winter 2001

As of Jan. 1, 2001

Start of Jan. 1, 2001 errata

1. p.3, line -10: Add "but distinct" after "two lines are parallel"
2. p.5, line -1: Add "or $A=[a_{ij}]$" before "to denote".
3. p.11, In COROLLARY, delete the word "different". It's not needed. (Of course then "a" must change to "an".)
4. p.22, In (1), after "x_3=...x_5" add ", x_2, x_5 arbitrary"
5. p.23, In Figure 1.6 display, insert a line ">> format rat" before the line ">>C".
6. p.28, line 9 and lines 15-16: I'd prefer it here and elsewhere if the alternatives "constrained" (for dependent) and "unconstrained"(for independent) were used when referring to variables. Later on the words "dependent" and "independent" will be used in a quite different way to refer to sets of vectors; it's helpful to keep from using the same words in two quite different ways.
7. p.29, In top display, after "x_3 = ...x_6" add ", x_2 , x_4, x_6 arbitrary,"
8. p.48, In Solution to Example 2, line 2, after "- x_4 " and before "." add ", x_3 , x_4 arbitrary"
9. p.63, Definition 9 of A^T, l.2 has a **major misprint**: replace $b_{ij}=a_{ij}$ by $b_{ij}=a_{ji}$
10. p.63, in Definition 9, line 2, **MAJOR MISPRINT**, change "a_{ij}" TO "a_{ji}"
11. p.69, Problem 32. You could replace "$|x_1| + |x_2| > 0$" by the equivalent "$\mathbf{x} \neq \mathbf{0}$"
12. p.A20 (Answers), Ex 1.2, #3(a): Change "operation" to "operations", AND delete "R_2 - 4 R_1 ,".
13. p.A20 (Answers), Ex 1.2, #9: Change row 3, column 4 of matrix shown from 0 to 1.
14. p.A20 (Answers), Ex 1.2, #15: Delete the wrong answer and add "The system is inconsistent".
15. p.A20 (Answers), Ex 1.3, #3: The matrix given is only in echelon form, not the requested REF. The information derived from EF is the same as that from REF so far as this problem is concerned.
16. p.A21, 1.4.1(c) Answer is for version of problem in previous edition where range for x_1 asked for. Range for x_4 : 200 <= x_4 <= 600 .

Last Modified: Tues. January 2, 2001 4:43 pm

Click here to download a pdf version of this document.

Back to the Math 308 Home Page