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Matrix:Text Errata

From Coursera

Coding the Matrix Errata

This page does not include errors in the index. The printed index is incorrect, a new one is being created.

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page 7: typo *Printed:* g ∘ f is defined and is the identify function on the domain of f

Correction: s/identify/identity

page 89: Missing symbol in def 2.9.6.

Printed: Definition 2.9.6: A linear equation is an equation of the form **a** · = β, where a is a vector, β is a scalar, and is a vector variable.

Correction: some symbol, perhaps "v" is required to represent the vector variable.

page 90: Missing symbol and incorrect symbol in def 2.9.10.

Printed: In general, a *system of linear equations* (often abbreviated *linear system*) is a collection of equations

```
__a__1$$\cdot$$   = $$\beta$$1
__a__2$$\cdot$$   = $$\beta$$2
...
__a__m$$\cdot$$   = $$\beta$$m
```

where is a vector variable. A *solution* is a vector ^ that satisfies all the equations.

Correction: some symbol, perhaps "v" is required to represent the vector variable. Also, the caret symbol is probably nt the intended one to represent the solution vector.

Page 159 Example 4.6.2 should be "which is 1 . 3 + 2 . (-1) = 1" instead of "which is 1 . 3 . 1 + 2 . (-1) = 1"

Page 243 Section 5.12.5 "The change-of-basis matrix": IMHO: "Let H = A−1C." should be "Let H = C−1A." (from Khayrat Glende)