

Log of Errors and Typos corrected in MA3486 Hilary 2018 Notes since March 29, 2018

Part I Changes

Page 16, conclusion of example before Lemma 2.2: on the 7th and 8th lines down from top of the page, change

$$F(x) \cap V = \emptyset$$

to

$$F(x) \cap V \neq \emptyset$$

Page 20, Proof of Proposition 2.6: on the 3rd line of the proof, change

$$(\mathbf{x}_j, \mathbf{x}_j) \in G$$

to

$$(\mathbf{x}_j, \mathbf{y}_j) \in G$$

Part III Changes

Page 70, Proof of Proposition 6.4: change the bottom line of page 70 from

$$T(t\mathbf{b} - u) = \mu(t\mathbf{b} - T\mathbf{u}) \leq \mu(t\mathbf{b} - \mathbf{u}),$$

to

$$T(t\mathbf{b} - u) = \mu t\mathbf{b} - T\mathbf{u} \leq \mu(t\mathbf{b} - \mathbf{u}),$$

Page 94: Proof of Proposition 8.3: five lines up from the bottom of page 94, change the sentence

Now $x_i \geq 0$ and $0 \leq p_i \leq 1$ for $i = 1, 2, \dots, n$, and $\sum_{i=1}^n p_i = 1$.

to

Now $0 \leq p_i \leq 1$ for $i = 1, 2, \dots, n$, and $\sum_{i=1}^n p_i = 1$.

(Thus the condition “ $x_i \geq 0$ and” was erroneously included, and should therefore be omitted.)

Page 96: Statement of Proposition 8.4: on the two last lines of the statement of the proposition

$$\mathbf{x} = B(\mathbf{x}, w)$$

to

$$\mathbf{x} \in B(\mathbf{p}, w)$$

(two corrections)

Pages 96 and 97, Proof of Proposition 8.4: change \mathbf{p}^* to \mathbf{p} on the 7th line from the bottom of page 96

$$\mathbf{p} \cdot \mathbf{x}'' < w$$

on the bottom line of page 96

$$\mathbf{p} \cdot \mathbf{x}''' < w$$

and on the second line of page 96

$$\mathbf{p} \cdot \mathbf{x} < w$$

(three corrections)

Page 100: subsection 8.7: on the bottom line of page 100 change

$$\mathbf{s} = \sum_{h=0}^m \bar{\mathbf{x}}_h.$$

to

$$\mathbf{s} = \sum_{h=1}^m \bar{\mathbf{x}}_h.$$