Corrections for Section 4

Page 1, Corollary 4: Replace $\mathbb{R}$ by $Y$

Page 2: in second display, might as well replace $\| \cdot \|$ by $| \cdot |$ around $\langle f(x) - f(y), u \rangle$, since the inner product is a real number (although the norm in $\mathbb{R}$ is the absolute value anyway — in fact, we could just remove the norm altogether)

Page 2, proof of Theorem 5: replace $t \mapsto f(a_{i-1} + t(a_i - a_{i-1}))$ by

$$f(c_1 + s_1, \ldots, c_{i-1} + s_{i-1}, c_{i+1}, \ldots, c_n),$$

which is obtained from $f$ by holding all coordinates except the $i$th one equal to those of $a_{i-1}$, and which takes the value $f(a_{i-1})$ at $c_i$ and $f(a_i)$ at $c_i + s_i$

also, 3rd line from bottom: replace $D_i(b_i)$ by $D_if(b_i)$

finally, might as well replace norms by absolute values around all things involving values of $f$, since at beginning of proof we replaced $Y$ by $\mathbb{R}$

Page 3, sentence preceding Example 7: replace “suffient” by “sufficient”