

Errata of the volume

M. Giaquinta, G. Modica, Mathematical Analysis. Approximation and Discrete Processes Birkhauser, Boston, 2004.

Several errors and misprints have find their way in the text. In the next pages you find the errata-corrige for the errors known to the authors up to now.

We will be very grateful to anybody who wants to inform us about further errors or just misprints or wants to express criticism or other comments. Our e-mail addresses are

`giaquinta@sns.it`, `modica@dma.unifi.it`

Pisa and Firenze, September 14, 2005

Mariano Giaquinta

Giuseppe Modica

Page	Error	Correction
28 ₁₄	$= \sum_{i,j} (a_i b_j - a_j b_i)^2$	$= \sum_{i < j} (a_i b_j - a_j b_i)^2$
70 ₄	Karl Feuerbach (1800–1834)	Georg Peurbach (1423–1461)
239 _{5,6}	by the following ... Proposition 6.7	by Proposition 6.7
275 ₁₁	$= 1 - \frac{z}{2}$	$= 1 - \frac{z}{2}$
286 ₁₀	$\int_0^{+\infty} \frac{t}{1-e^{-t}} dt$	$\int_0^{+\infty} \frac{t e^{-tx}}{1-e^{-t}} dt$
286 ₅	$-\sum_{k=0}^n$	$-\sum_{k=0}^{n-1}$
286 ₅	$\frac{1}{x^{n+1}}$	$\frac{1}{x^n}$
286 ₅	$D^{n+1} f(t)$	$D^n f(t)$
286 ₄	$= \sum_{k=0}^{\infty}$	$=: \sum_{k=0}^{n-1}$
286 ₄	$\frac{r_n(x)}{x^{n+1}}$	$\frac{r_n(x)}{x^n}$
286 ₂	$ D^{n+1} f(t) $	$ D^n f(t) $
287 ₁	$O\left(\frac{1}{x^{n+1}}\right)$	$O\left(\frac{1}{x^n}\right)$
287 ₅	$D^k(t/(e^t - 1)) = B_k$	$D^k\left(\frac{t}{e^t - 1}\right)_{ t=0} = B_k$
287 ₆	$\sum_{k=1}^{n-1}$	$\sum_{k=1}^n$
294 ₅	triangles by means	different ways in triangles by means
337 ₁₄	Karl Feuerbach (1800–1834)	
378 ₃		Georg Peurbach (1423–1461)
381 ₁₁	Catalan 's identity, 29	Catalan's – identity, 29 – numbers, 294 – Catalan, 294
385 ₂₀		