Errata of the volume

M. Giaquinta, G. Modica, Mathematical Analysis. Functions of One Variable, Birkhauser, Boston, 2003.

In the next pages you will find the errata-corrige of the errors known to the authors up to now.
We will be very grateful to anybody who is willing to inform us about further errors or just misprints or would like to express criticism or other comments. Our e-mail addresses are

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Pisa and Firenze, September 14, 2005

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Page	Error	Correction
8_2	e	and
14_8	is the equation	is an equation
32_9	Real valued	Real-valued
57^5	of sets	of non-void sets
59_7	explicit	implicit
61_9	$\sin a$	$\sin \alpha$
$70^{3,4}$	halflines	half-lines
80_{13}	to Theorem 2.37	
89^{11}	$M > 0$	$M > L$
$108^{16,17}$	se	if
115^3	spherae	sphaera
118^{17}	osc $_J(f + g)$	osc $_J(fg)$
121^5	se	if
124^{14}	any other differentiable	any differentiable
132_7	fractionary	fractional
135^8	spreadted	spread
139_{13}	sums.	sum, see 3.81.
171^7	$y \in \mathbb{R}$	$y \in [-1, 1]$
171^{10}	$\frac{1+x^2-2x^2}{(1+x^2)^{3/2}}$	$\frac{1+x^2-x^2}{(1+x^2)^{3/2}}$
178^{12}	cost	const
188_8^9	$(-t, t) \cap (a, b)$	$]-t, t[\cap]a, b[$
189^{15}	$\int_c^x f(x)\,dx$	$int_x^c f(x)\,dx$
206_1	$-\int_{ar}^{br} \frac{f(t)}{t}$	$= \int_{ar}^{br} \frac{f(t)}{t}\,dt$
206_1	$\log \frac{b}{a}$.]	$\log \frac{b}{a}$ for some $\overline{r}$ between ar and br.]

210^{15}	$T_{k-1}(x;x_0)$	$T_{k-1}(x)$
213^{12}	Taylors'	Taylor's
$228^{5,6}$	(5.10) ... yields	Lagrange's theorem and the monotonicity of f' yield for some $x<\xi<x_0$ $$\frac{f(x_0)-f(x)}{x_0-x}=f'(\xi)\le f'(x_0),$$
228^{9}	again ... yields	similarly we get
$239^{3,4,5}$	$\overline{x}$	$\widetilde{x}$
239^{7}	we infer	we infer for $\overline{x}=(\widetilde{x},\widetilde{x},\dots,\widetilde{x})$
240^{12}	$\frac{1}{(2\pi)^{n/2}\sigma^n}$	$\frac{1}{(2\pi)^{N/2}\sigma^N}$
242_{15}	$=\sqrt[n]{a_1\cdot a_2\cdot a_3\cdots a_n}$	$=\log\sqrt[n]{a_1\cdot a_2\cdot a_3\cdots a_n}$
242_{13}	$\to\sqrt[n]{a_1\cdot a_2\cdot a_3\cdots a_n}$	$\to\log\sqrt[n]{a_1\cdot a_2\cdot a_3\cdots a_n}$
242_{11}	$\to\sqrt[n]{a_1\cdot a_2\cdot a_3\cdots a_n}$	$\to\log\sqrt[n]{a_1\cdot a_2\cdot a_3\cdots a_n}$
254^{10}	$\int_0^T$	$\int_0^t$
254^{12}	$\sin\theta\le t$	$\sin\theta\le\theta$
255_{11}	$(0,1)$	$[0,1]$
256^{7}	$(0,1]$	$[0,1]$
259^{7}	$f:(0,+\infty)$	$f:]0,+\infty[\to\mathbb{R}$
262_{13}	trasnformations	transformations
265^{16}	first order	first-order
266_{11}	solves (6.15)	solves (6.5)
266_{10}	since $y_0\neq 0$	since $y_0(x)\neq 0\ \forall x$
269_{1}	$[-\pi/2,\pi/2[$	$[-\pi,\pi[$
271_{5}	$[-\pi/2,\pi/2[$	$[-\pi,\pi[$
272_{15}	$[-\pi/2,\pi/2[$	$[-\pi,\pi[$
275_{10}	$[-\pi/2,\pi/2[$	$[-\pi,\pi[$
301_{7}	superflous	superfluous
$313^{7,8}$	**6.48 Remark** ... mirrors.	