Errata and comments list for
“Nonlinear Programming and Variational Inequality Problems—A Unified Approach”

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Page	Row	Reads	Should read
6	22	in	when
10	8	is	is a
10	-8	X	$\Re^n$
42	-9	VIP	GVIP
50	1, 2	F	∇f
58	2	1.21.4	1.21.1 and 1.21.4
62	-3	GVIP	VIP
74	-9	$\Re^r$	$\Re^m$
74	-1	$A_1 x^t$	$A_1 x_1^t$
75	13	Π_1, Π_2	Π_2, Π_1
97	11	∇f	F
111	17	gap	dual gap
113	7	d^*	$y(x^*) - x^*$
117	1	—	$x \notin \mathrm{SOL}(F, X)$
122	6	$\mathrm{SOL}(F, u, X)$	$\mathrm{SOL}(F, X)$
122	-10	GVIP	VIP
125	-2	lead	leads
138	17	s	d_r
142	-12	$\{\bar{y}\}$	$\{\bar{y}^t\}$
146	1	on	by
155	16	level	lower level
166	16–17	constitutes an instance	constitute instances
176	-11	$x^t + s\beta^i$ and $-\eta \ldots$	$x^t + s\beta^i d^t$ and $\eta \ldots$
202	-6	weak	(weak)
216	12	decomposed	decomposition
218	17	$f(\cdot, x_{\neq i})$	$f(x_{\neq i}, \cdot)$
219	Fig. 8.1	$\ell_{i_t,t}$	$\ell_{i,t}$
231	-5	holds	hold
232	16	holds	hold
257	-14	.)	.
258	(9.7)	$\text{minimum}_{i \in \hat{\mathcal{P}}} \left\{ \frac{\partial f(x(\hat{\lambda}, \hat{\mu}))}{\partial \lambda_i} \right\}$	$\text{minimum}_{i \in \hat{\mathcal{P}}} \left\{ \frac{\partial f(x(\hat{\lambda}, \hat{\mu}))}{\partial \lambda_i} \right\}$ $- \sum_{i \in \hat{\mathcal{P}}} \frac{\partial f(x(\hat{\lambda}, \hat{\mu}))}{\partial \lambda_i} \hat{\lambda}_i$ $- \sum_{i \in \hat{\mathcal{D}}} \frac{\partial f(x(\hat{\lambda}, \hat{\mu}))}{\partial \mu_i} \hat{\mu}_i$
259	7	will	may
264	-6	subset	subset thereof
268	-7	$\mathrm{GVIP}(\nabla f, u, X)$	$\mathrm{GVIP}(\nabla f, u, \hat{X})$
271	-10	9.8.3	9.8.1

Page	Topic	Comment
48	Rem. 2.18.1	See further [Ber95]
79	Inst. 3.13	Quasi-Newton versions of SQP are devised by replacing $\nabla_y^2 \Pi(x^t, \lambda^t)$ with a positive definite and symmetric matrix
147	Thm. 5.22.b	For Rule D, the result is strengthened in Bertsekas and Tsitsiklis (1998)
313	Ref. [Pat99]	Optimization, 44 (1998), pp. 199–217.