Graeb, Analog Design Centering and Sizing, Springer 2007
– Errata and Improvements –
May 28, 2008

Page xxi *last line, insert blank:*

multivariate case.

Page 2 *merge 4th and 5th item:*

- top-down system design methodologies for quickly emerging system classes

Page 16 *3rd line, insert blank:*

a multiple-objective

Page 17 *5th line, delete one of double "performance optimization"*

Page 57 *7th line:*

statistical parameters $\mathbf{x}_s$

Page 57 *Insert new first sentence of Sec. 4.5.1:*

In the following, the domain of performance-feature values is defined through the constraints in (92) and (93).

Page 94 *In the last but one paragraph replace two times "performance variance" by:*

performance standard deviation

Page 95 *In (186) and (187) replace* $f(\mathbf{x})$ *by:*

$f(\mathbf{x}_s)$

Page 100 *In line 10 replace "variance" by:*

standard deviation

Page 122 *In Fig. 49, the horizontal axis is denoted by:*

$x_{s,1}$

ıges 122-127 *Replace f by:*

$\bar{f}$

Page 130 *In (270)-(273), replace $\min_{\mathbf{x}_s,\mathbf{x}_r} \beta^2(\mathbf{x}_s)$ by:*

$\min_{\mathbf{x}_s} \beta^2(\mathbf{x}_s)$

ıges 133-134 *Replace the corresponding denominators in (290), first line after (290) and first line on page 134 by:*

$$\begin{bmatrix} \overline{\partial \mathbf{x}_s \partial \mathbf{x}_s^T} & \overline{\partial \mathbf{x}_s \partial \mathbf{x}_r^T} \\ \overline{\partial \mathbf{x}_r \partial \mathbf{x}_s^T} & \overline{\partial \mathbf{x}_r \partial \mathbf{x}_r^T} \end{bmatrix} \qquad \begin{bmatrix} & \overline{\partial \mathbf{x}_s \partial \mathbf{x}_r^T} \\ \overline{\partial \mathbf{x}_r \partial \mathbf{x}_s^T} & \end{bmatrix} \qquad \overline{\partial \mathbf{x}_r \partial \mathbf{x}_r^T} \qquad \overline{\partial \mathbf{x}_s \partial \mathbf{x}_s^T}$$

Page 138 *In (302) replace two times $f_i(\mathbf{x}_{s,0})$ by:*

$\mathbf{x}_{s,0}$

Page 157 *Two lines before (361) replace "problem (106)." by:*

problem according to (106).

Page 167 *The second line of (A.13) is:*

$$\mathrm{V}\left\{\mathbf{a}^T \cdot \mathbf{h}(\mathbf{z}) + b\right\} = \mathbf{a}^T \cdot \mathrm{V}\left\{h(\mathbf{z})\right\} \cdot \mathbf{a}$$

ıges 170-171 *Replace $\mathbf{Q}_{\hat{\mu}_h}$ in (B.12)-(B.15) by:*

$\mathbf{Q}_{\hat{m}_h}$

Page 170 *(B.13) is:*

$$\mathbf{Q}_{\widehat{m}_h} = \frac{1}{n_{MC}^2} \cdot \mathrm{V}\left\{ [\mathbf{I}\,\mathbf{I} \ldots \mathbf{I}] \cdot [\mathbf{h}^{(1)^T}\ \mathbf{h}^{(2)^T} \ldots \mathbf{h}^{(n_{MC})^T}]^T \right\}$$

Page 171 *Replace* $\mathbf{z}$ *in (B.16)-(B.18) by:*

$\mathbf{x}$

Page 176 *The caption of Fig. C2 is:*

Figure 1. Different types of definiteness of the second-derivative of a function of two parameters: positive definite (upper left), negative definite (upper right), positive semidefinite (lower left), indefinite (lower right).

Page 180 *In the third line after (C.24) replace "we only have to consider" by:*

we not only have to consider

Page 180 *In (C.25) add as another condition under "∀":*

$\mathbf{r} \neq \mathbf{0}$