

Corrections and Clarifications

Nonlinear System Identification

by Oliver Nelles

The bottom of page 205:

“References for the other techniques can be found in the cor-“

Continuing on page 206:

“responding chapters. A lot of literature exists for special methods. However, a lack of overview literature can be observed addressing non-experts in optimization. This was one major motivation for this part. Another reason is the strict distinction between the type of model and the optimization method applied to determine or adapt its parameters or structure. In all other chapters of this book references are made to special classes of optimization techniques that may be applied to a particular problem. It is then always clear from the context which algorithms, in principle, can be utilized. This part contains only a general discussion of the optimization techniques. The application specific advantages and drawbacks are discussed in the corresponding chapters.”

On page 306, Fig. 12.5:

- a.) In the fuzzification column the u_{\dots} axis of the membership functions should be u_1 , u_2 , and u_1 , u_2 (in the order from top to bottom).
- b) The 2nd fuzzy rule in the figure should have an "OR" instead of the "AND".

On page 485m, the second formula in Eq. 16.53:

$$y = \begin{bmatrix} y(m+1) \\ y(m+2) \\ \vdots \\ y(N) \end{bmatrix}$$

On page 485, Eq. 16.54, page 487, Eq. 16.61, page 488, Eq. 16.63, Eq. 16.65 and page 489, Eq. 16.68:

The U's should be switched with the Y's.

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