

Errata:

Refined Instrumental Variable Methods for Identification of LPV Box-Jenkins Models

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I. FOREWORD

This indicate two small typos in the published paper [1]. Despite all the efforts of the authors, such an unfortunate mistake has remained unnoticed till the final printing process. In case of other errors or comments, please do not hesitate to contact the corresponding authors.

II. ERRORS

A. Section V: Optimal PEM for LPV-BJ models

In Equation (35), the signs of the terms were exchanged. The correct form of the equation reads as

$$\varepsilon_{\theta}(t_k) = \frac{D(q^{-1}, \eta)}{C(q^{-1}, \eta)F(q^{-1}, \rho)} \left(F(q^{-1}, \rho)y(t_k) + \sum_{i=1}^{n_a} \sum_{l=1}^{n_{\alpha}} a_{i,l} \chi_{i,l}(t_k) - \sum_{j=0}^{n_b} \sum_{l=0}^{n_b} b_{j,l} u_{j,l}(t_k) \right) \quad (35)$$

Similarly, the signs are needed to be exchanged in Equation (36) as well. The correct form of this equation reads as

$$\varepsilon_{\theta}(t_k) = F(q^{-1}, \rho)y_f(t_k) + \sum_{i=1}^{n_a} \sum_{l=1}^{n_{\alpha}} a_{i,l} \chi_{i,l}^f(t_k) - \sum_{j=0}^{n_b} \sum_{l=0}^{n_{\beta}} b_{j,l} u_{j,l}^f(t_k). \quad (36)$$

REFERENCES

- [1] V. Laurain, M. Gilson, R. Tóth, and H. Garnier, "Refined instrumental variable methods for identification of LPV Box-Jenkins models," *Automatica*, vol. 46, no. 6, pp. 959–967, 2010.