

### **Algebraic formalism of differential p-forms and vector fields for nonlinear control systems on homogeneous time scales**

Bartosiewicz, Zbigniew; **Kotta, Ülle**; Pawluszewicz, Ewa; **Tönso, Maris**; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2013 / p. 215-226

### **Erratum : Linearization of discrete-time control system by state transformation**

**Mullari, Tanel; Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2021 / p. 307 <https://doi.org/10.3176/proc.2021.1.09>  
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### **Feedback linearization of discrete-time nonlinear control systems : computational aspects**

**Mullari, Tanel; Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2020 / p. 11-26 <https://doi.org/10.3176/proc.2020.1.03>  
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### **Forward and backward shifts of vector fields : towards the dual algebraic framework**

**Mullari, Tanel; Kotta, Ülle**; Bartosiewicz, Zbigniew; Pawluszewicz, Ewa; Moog, Claude IEEE transactions on automatic control 2017 / p. 3029-3033 <https://doi.org/10.1109/TAC.2016.2608718>

### **Linearization of discrete-time control system by state transformation**

**Mullari, Tanel; Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2021 / p. 62–79 <https://doi.org/10.3176/proc.2021.1.09>  
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### **Nabla derivatives associated with nonlinear control systems on homogeneous time scales**

Bartosiewicz, Zbigniew; **Kotta, Ülle**; **Mullari, Tanel**; **Tönso, Maris**; Pawluszewicz, Ewa; Wyrwas, Małgorzata Nonlinear analysis : modelling and control 2016 / p. 547-563 <http://dx.doi.org/10.15388/NA.2016.4.8>

### **On the properties of forward and backward shifts of vector fields**

**Kaldmäe, Arvo**; **Kaparin, Vadim**; **Kotta, Ülle**; **Mullari, Tanel**; Pawluszewicz, Ewa Proceedings of the Estonian Academy of Sciences 2022 / p. 314-325 <https://doi.org/10.3176/proc.2022.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On the stopping criteria in nonlinear unknown input observability condition**

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### **The concepts of Lie derivative for discrete-time systems**

**Mullari, Tanel; Kotta, Ülle**; Bartosiewicz, Zbigniew; Pawluszewicz, Ewa Proceedings of the Estonian Academy of Sciences 2012 / p. 253-265 : ill

### **Морские течения как элементы случайного векторного поля**

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