

### **Construction of flat outputs of nonlinear discrete-time systems in a geometric and an algebraic framework**

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### **Feedback linearization and lattice theory**

**Kotta, Ülle**; **Tönso, Maris**; Shumsky, Alexey Ye.; Zhirabok, Alexey N. Systems & control letters 2013 / p. 248-255

### **Feedback linearization of an active magnetic bearing system operated with a zero-bias flux**

Mystkowski, Arkadiusz; **Kaparin, Vadim**; **Kotta, Ülle**; Pawluszewicz, Ewa; **Tönso, Maris** International journal of applied mathematics and computer science 2017 / p. 539-548 : ill <https://doi.org/10.1515/amcs-2017-0038>

### **Feedback linearization of possibly non-smooth systems**

**Kaldmäe, Arvo**; **Kotta, Ülle**; Shumsky, Alexey; Zhirabok, Alexey Proceedings of the Estonian Academy of Sciences 2017 / p. 109-123 <https://doi.org/10.3176/proc.2017.2.01> [http://www.ester.ee/record=b2355998\\*est](http://www.ester.ee/record=b2355998*est)

### **NN-SANARX model based control of a multi tank liquid-level system**

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### **Optimal tuning of fractional order sliding mode controller for PMSM speed using neural network with reinforcement learning**

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### **State feedback linearization of nonlinear control systems on homogeneous time scales**

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### **Static state feedback linearization of nonlinear control systems on homogeneous time scales**

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