

**A note on the relationship between single- and multi-experiment observability for discrete-time nonlinear control systems**  
**Kaparin, Vadim; Kotta, Ülle;** Shumsky, Alexey Ye.; Zhirabok, Alexey N. Proceedings of the Estonian Academy of Sciences 2011 / 3, p. 174-178

**Faulty plant reconfiguration based on disturbance decoupling methods**

**Kaldmäe, Arvo; Kotta, Ülle;** Jiang, Bin; Shumsky, Alexey Ye.; Zhirabok, Alexey N. Asian journal of control 2016 / p. 858-867 : ill  
<http://dx.doi.org/10.1002/asjc.1185>

**Feedback linearization and lattice theory**

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

**Functions' algebra in nonlinear control : computational aspects and software**

**Belikov, Juri; Kaldmäe, Arvo; Kaparin, Vadim; Kotta, Ülle;** Shumsky, Alexey Ye.; **Tõnso, Maris;** Zhirabok, Alexey Proceedings of the Estonian Academy of Sciences 2017 / p. 89-107 <https://doi.org/10.3176/proc.2017.1.06> [http://www.esther.ee/record=b2355998\\*est](http://www.esther.ee/record=b2355998*est)

**Measurement feedback disturbance decoupling in discrete-time nonlinear systems**

**Kaldmäe, Arvo; Kotta, Ülle;** Shumsky, Alexey Ye.; Zhirabok, Alexey N. Automatica 2013 / p. 2887-2891 : ill