Roy Featherstone's Publications List

as of November 1, 2023

Books:

1. Featherstone, R., *Robot Dynamics Algorithms*, Kluwer Academic Publishers, Boston/Dordrecht/Lancaster, 1987. DOI: 10.1007/978-0-387-74315-8

2. Featherstone, R., *Rigid Body Dynamics Algorithms*, Springer, New York, 2008. DOI: 10.1007/978-1-4899-7560-7

Patents:

1. Featherstone, R., *Linear Drive Mechanism of the Screw and Nut Type With Perfect Rolling Contact*, Japanese Patent no. JP6400860, issued to Fondazione Istituto Italiano di Tecnologia, Oct. 3 2018. Link to Document.

2. Featherstone, R., *Linear Drive Mechanism of the Screw and Nut Type With Perfect Rolling Contact*, European Patent no. EP3295058(A1), issued to Fondazione Istituto Italiano di Tecnologia, May 22 2019. Link to Document.

3. Featherstone, R., *Linear Drive Mechanism of the Screw and Nut Type With Perfect Rolling Contact*, United States Patent no. US10364871(B2), issued to Fondazione Istituto Italiano di Tecnologia, July 30 2019. Link to Document.

Journal Articles:

1. Featherstone, R., "Calculation of Robot Joint Rates and Actuator Torques from End Effector Velocities and Applied Forces", *Mechanism and Machine Theory*, vol. 18, no. 3, pp. 193–198, 1983.
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4. Featherstone, R., "Resolving Manipulator Redundancy by Combining Task Constraints", Proc. 1st Int. Workshop on Advances in Robot Kinematics, Ljubljana, Yugoslavia, Sept. 19–21, pp. 122–130, 1988.

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