

## Dynamical Contact Problems With Friction Models Methods Experiments And Applications 2nd Edition

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This procedure is applied to different practical problems and verified by experiments. Friction contacts are used to transmit forces or to dissipate energy. Examples for dynamical engineering systems with friction are brakes, machine tools, motors, turbines, bearings or wheel-rail systems.

### Dynamical Contact Problems with Friction: Models, Methods

This procedure is applied to different practical problems and verified by experiments. Friction contacts are used to transmit forces or to dissipate energy. Examples for dynamical engineering systems with friction are brakes, machine tools, motors, turbines, bearings or wheel-rail systems. A better understanding of friction phenomena result in improvements like the reduction of noise and maintenance costs, increased life time of machines and improved energy efficiency.

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Dynamical Contact Problems with Friction: Models, Methods, Experiments and Applications. Lecture Notes in Applied Mechanics, Vol. 3. - W Sextro (Inst of Mech, Univ of Hannover, Applestr 11, Hannover, 30167, Germany). Springer-Verlag, Berlin. 2002. 159 pp. ISBN 3-540-43023-7. \$79.95.

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Dynamical Contact Problems with Friction Models, Methods, Experiments and Applications Bearbeitet von Walter Sextro Neuausgabe 2007. Buch. x, 190 S. Hardcover ISBN 978 3 540 69535 6 Format (B x L): 15,5 x 23,5 cm Gewicht: 467 g Weitere Fachgebiete > EDV, Informatik > Professionelle Anwendung > Computer-Aided Design (CAD) schnell und portofrei ...

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The aim of this second edition is to describe an efficient procedure to model dynamical contact problems with friction. A thorough understanding of friction phenomena can lead to improvements like the reduction of noise and maintenance costs, increased useful life of machines and improved energy efficiency.

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Contact dynamics deals with the motion of multibody systems subjected to unilateral contacts and friction. Such systems are omnipresent in many multibody dynamics applications. Consider for example Contacts between wheels and ground in vehicle dynamics Squealing of brakes due to friction induced oscillations Motion of many particles, spheres which fall in a funnel, mixing processes Clockworks Walking machines Arbitrary machines with limit stops, friction. Anatomic tissues In the following it is

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