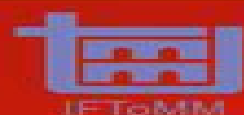


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Mechanical Systems ,1997 Memorandum ,1999 *Biomedical Technology and Devices, Second Edition* James E. Moore Jr,Duncan J. Maitland,2013-06-25 Biomedical Technology and Devices Second Edition focuses on the equipment devices and techniques used in modern medicine to diagnose treat and monitor human illnesses Gathering together and compiling the latest information available on medical technology this revised work adds ten new chapters It starts with the basics introducing the history of the thermometer and measuring body temperature before moving on to a medley of devices that are far more complex This book explores diverse technological functions and procedures including signal processing auditory systems magnetic resonance imaging ultrasonic and emission imaging image guided thermal therapy medical robotics shape memory alloys biophotonics and tissue engineering Each chapter offers a description of the technique its technical considerations and its use according to its applications and relevant body systems It can be used as a professional resource as well as a textbook for undergraduate and graduate students Design, Test, and Microfabrication of MEMS and MOEMS Bernard

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