1. Record Nr. UNINA9910688306203321

Titolo	Gyroscopes : principles and applications / / edited by Xuye Zhuang, Lianqun Zhou
Pubbl/distr/stampa	London, England : , : IntechOpen, , 2020
Descrizione fisica	1 online resource (114 pages)
Disciplina	681.753
Soggetti	Gyroscopes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book covers recent topics on gyroscopes. It briefly introduces the history of gyroscopes, and presents a concise analysis of the main types. The classical structure and main performance parameters of an interferometric fiber-optic gyroscope and an integrated optics passive-resonator gyroscope are analyzed. The developmental progress of a fiber optic gyroscope and its research situation in the United States, Japan, France, and other major developing countries are also presented. An effective autoregressive moving average model was invented to reduce MEMS gyroscope noise behavior. A discrete-time nonlinear attitude tracking control system was verified to achieve the agility and large-angle attitude maneuvers of spacecraft by numerical simulations. MEMS gyroscopes were experimentally demonstrated to be effective tools for gait analysis and to reduce the cost of revealing underlying pathologies.

2. Record Nr. UNICAMPANIAVAN00289084

Autore	Parthasarathy, Kalynapuram R.
Titolo	An Introduction to Quantum Stochastic Calculus / K. R. Parthasarathy
Pubbl/distr/stampa	Basel, : Springer, 1992
Descrizione fisica	xi, 290 p. : ill. ; 24 cm
Soggetti	60-XX - Probability theory and stochastic processes [MSC 2020] 60Hxx - Stochastic analysis [MSC 2020] 81-XX - Quantum theory [MSC 2020] 81S25 - Quantum stochastic calculus [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia