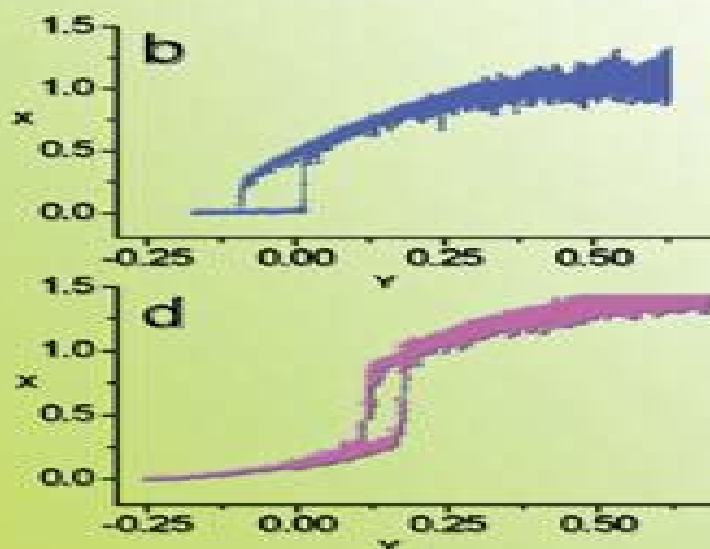
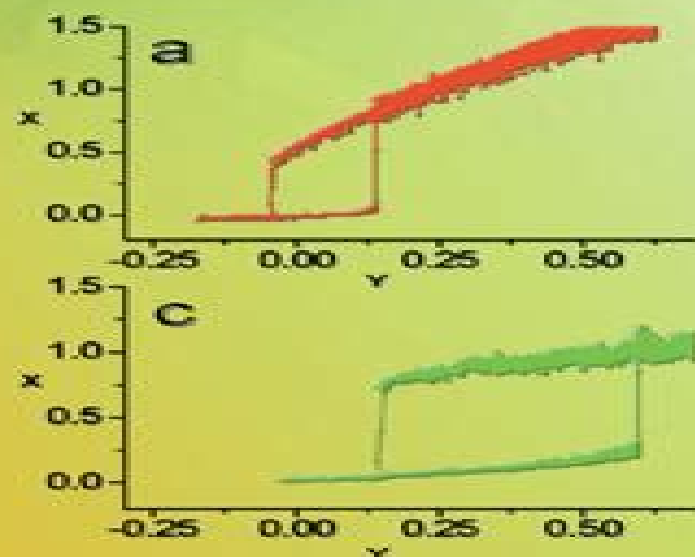


# CONTROLLING STEADY-STATE AND DYNAMICAL PROPERTIES OF ATOMIC OPTICAL BISTABILITY

Amitabh Joshi • Min Xiao



# Controlling Steady State And Dynamical Properties Of Atomic Optical Bistability

**Michael Brown**



## **Controlling Steady State And Dynamical Properties Of Atomic Optical Bistability:**

**Controlling Steady-state and Dynamical Properties of Atomic Optical Bistability** Amitabh Joshi, Min Xiao, 2012

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engineers to stay abreast of their fields There is no sign that developments in optics are slowing down or becoming less interesting Gaussian apodization and beam propagation Electromagnetically induced transparency Three dimensional electromagnetic fields Quantum cryptography Optical quantum cloning      **Progress in Optics** Emil Wolf,2006-10-03 In the thirty seven years that have gone by since the first volume of Progress in Optics was published optics has become one of the most dynamic fields of science At the time of inception of this series the first lasers were only just becoming operational holography was in its infancy subjects such as fiber optics integrated optics and optoelectronics did not exist and quantum optics was the domain of only a few physicists The term photonics had not yet been coined Today these fields are flourishing and have become areas of specialisation for many science and engineering students and numerous research workers and engineers throughout the world Some of the advances in these fields have been recognized by awarding Nobel prizes to seven physicists in the last twenty years The volumes in this series which have appeared up to now contain nearly 190 review articles by distinguished research workers which have become permanent records for many important developments They have helped optical scientists and optical engineers to stay abreast of their fields There is no sign that developments in optics are slowing down or becoming less interesting Gaussian apodization and beam propagation Electromagnetically induced transparency Three dimensional electromagnetic fields Quantum cryptography Optical quantum cloning      **Scientific and Technical Aerospace Reports** ,1995      **Optik und Photonik** Bahaa E. A. Saleh,Malvin Carl Teich,2020-04-30 Vollst ndig bearbeitete Neuauflage des ma geblichen Grundlagen Lehrbuchs zur Optik und Photonik umfassend bearbeitet und mit einem neuen Kapitel zur Metamaterialoptik erweitert Die Optik ist eines der ltesten und faszinierendsten Teilgebiete der Physik und fest in den Curricula des Physikstudiums verankert Sie besch ftigt sich mit der Ausbreitung von Licht und Ph nomenen wie Interferenz Brechung Beugung und optischen Abbildungen Die Photonik umfasst optische Ph nomene die prim r auf der Wechselwirkung von quantisiertem Licht und Materie beruhen und befasst sich mit dem Verst ndnis und der Entwicklung optischer Bauteile und Systeme wie etwa Lasern LEDs und photonischen Kristallen In bew hrter Weise gibt die vollst ndig bearbeitete und erweiterte Neuauflage des Saleh Teich eine Einf hrung in die Grundlagen der Optik und Photonik f r Studierende der Physik und verwandter Wissenschaften Aus hrliche Erkl rungen rund 1000 Abbildungen und die zur quantitativen Durchdringung notwendige Mathematik erm glichen ein tiefes Verst ndnis aller Teilgebiete der klassischen und modernen Optik Umfassend und verst ndlich s mtliche Grundlagen der Optik und Photonik in einem Werk vereint Geschrieben von hervorragenden Didaktikern mit langer Lehrerfahrung optische Ph nomene und deren Physik stehen im Vordergrund der notwendige mathematische Apparat wird behutsam entwickelt bearbeitet und erweitert alle Kapitel wurden mit Blick auf noch bessere Verst ndlichkeit kritisch gepr ft und aktualisiert Komplette neu umfangreiche Kapitel zu Metamaterialoptik Optik und Photonik richtet sich an Bachelor und Master Studierende der Physik Materialwissenschaften und Ingenieurwissenschaften      *Summaries of Papers Presented at the Quantum Electronics and Laser Science Conference*

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