

Recent Works in Molecular Devices and Economy of Energy

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The quest for new technologies in the last decades has targets in all fields of knowledge. Progressively, the mankind has paid attention to the nanotechnology and its particularities. Build nanodevices is a key to obtain more efficient and versatile computers, and reduce the energy cost to do trivial activities, as send messages, compute solutions to problems, and store information. There exist a great number of ways to study and develop nanodevices or maybe idealize nanodevices through simulations. All these approaches ask for schemes that reduce the energy lost and provide better efficiency. In this presentation of 45 minutes, the nanotech world will be explored and some recent works devoted to the economy of energy in this area will be shown. Through this kind of discussion, it is expected the grew of the knowledge and the development of new approaches to the field of nanotechnology.

Key-words: Nanotechnology; Economy of Energy; Development.