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Nanostructure And Nanomaterials

By B.K. Parthasarathy

2007. Hardcover. Book Condition: New. 312 Nanotechnology is the synthesis and application of ideas from science and engineering towards the understanding and production of novel materials and devices. These products generally make copious use of physical properties associated with small scales. Materials reduced to the Nanoscale can suddenly show very different properties compared to what they exhibit on a macroscale, enabling unique applications. This book has been written so that it serves as a valuable guide into the world of a nanostructures and Nanomaterials, which form the premise on which the rest of nanomaterials rest. The book serves the function of aiding and insightful and thorough discussion of what entails the numerous aspects of nanostructures, the bottom-down and top-down approaches to constructing them, the techniques, practices and the sciences involved in this regard, and how they eventually culminate in Nanomaterials. Emphasis has also been placed upon the what various manifestations of Nanomaterials into nanoproducts, and what they project for the future. The various issues relating to it, which include the social and biological implications of nanotechnology, have also been detailed. About The Author:- B.K. Parthasarathy , a well-known teacher and researcher of physics, received his Ph.D quantum physics from England...



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