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Nota di contenuto	Solid-state polymerization techniques -- Experimental studies of polydiacetylene : Model conjugated polymers -- One dimensional organic highly conducting systems -- Ab initio techniques for ground state calculations on polymers -- Group theory in band structure calculations of polymers -- Importance of the long-range contributions in a polymer computation -- Multipole expansion technique as a tool for solving long-range problems in polymers -- Localized orbitals techniques for ground state calculations on polymers -- Ab initio calculations on polyyne, polyene and polymethineimine -- Density functional formalism and correlation in semiconducting solids and polymers -- Correlation in polymers and interactions between polymers -- Pairing, gap equations, and instabilities -- Recent advances in the interaction of radiation with matter in ordered molecular solids -- Non-empirical atomic potentials for ground state calculations of polymers -- On the strategy of transport calculations in conducting polymers -- AB initio study of phonon spectra of solids -- Vibrational spectra of polyatomic molecules and polymers -- A model for the diamagnetic anomaly in CuCl -- Relations between esca and valence energy band structures of stereoregular polymers -- Effects of

disorder on the transport properties of polymers -- Disordered systems -- Disordered systems : From one to three dimensions -- Quantum mechanical studies of polymers : Present status and perspectives.

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