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Turkish Journal	Low-Magnetic Field Microwave Absorption in Superconductors and Conducting Polymers
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Physics	Heat Physics Department of the Uzbek Academy of Sciences, Katartal str. 28, Chilanzar C, Tashkent, 700135, Republic of UZBEKISTAN, CIS
Keywords Authors	<u>Abstract:</u> Low-magnetic field microwave absorption (MA) in superconductors and conducting polymers is analysed in a low-field signal (LFS) version of the MA detecting method. The temperature dependences, hysteretic benavior and other properties of a LFS are compared in superconducting versus non-superonducting systems. Spin selective hopping processes between polarons and bipolarons is proposed to be one of the possible mechanisms of a LFS in non-degenarate conducting polymers.
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