

??????, ????, ???????, ?????????? ??????????????????, ?????????????????? ?????????? (????? ???????, 4. I 1964). ??  
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Fellow – ?????? ??? ?????? ?????? ?????? ?????????? ?????????? ?????????? ?? ?????????? ???????????????. ??  
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Fraunhofer-Gesellschaft ???, ??? ?? ?????? ? ?????????? BIO5 – Institute for Collaborative Bioresearch. ???  
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????????? ?????????? (?) E. Kurtas, Coding and Signal Processing for Magnetic Recording Systems, New  
York 2004; ? E. Kurtas, Advanced Error Control Techniques for Data Storage Systems, New York 2005), ??? ?  
????? ?????????? ? ??????? ???????????????,

????: ? O. Milenkovic, „Combinatorial Constructions of Low-Density Parity-Check Codes for Iterative Decoding”, *IEEE Transactions on Information Theory*, 2004, 50, 6; ? S. K. Chilappagari, „An Information Theoretical Framework for Analysis and Design of Nanoscale Fault-Tolerant Memories Based on Low-Density Parity-Check Codes”, *IEEE Transactions on Circuits and Systems I, Regular Papers*, 2007, 54, 11; ? S. K. Chilappagari, D. V. Nguyen, M. W. Marcellin, „On Trapping Sets and Guaranteed Error Correction Capability of LDPC Codes and GLDPC Codes”, *IEEE Transactions on Information Theory*, 2010, 56, 4.

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