

News of October, 2008.

Dear colleagues!

We continue to update various pages of our site about multithreshold decoding www.mtdbest.iki.rssi.ru.

You will find in new questions and answers also one more detailed comparison of opportunities of decoders for codes RS and QMTD on first page about method. We shall remind, that demosoftware both methods already for a long time are accessible on our site for all users. They allow to estimate efficiency and decoding speed of both methods. The difference in speed of work for long codes makes some decimal orders for long codes in favor of QMTD. But thus and efficiency of QMTD decoding is essentially above. Many characteristics of QMTD are presented also in various reports at conferences and in articles in the central magazines. They are on our site also.

On an second educational (only Russian now!) page of our site it is possible to find now new the demo software simulator of a satellite channel which simultaneously traces characteristics of three algorithms of decoding: two MTD and standard VA in the Gaussian channel. It will help to compare very evidently with opportunities of various methods of correction of mistakes. Development and this simulator up to at $\rho_{\text{овня}}$ which can be demanded to you at the decision of technical problems at the choice of and realizations of various methods of correction of mistakes is possible.

In the same place on educational (only Russian now too!) page the next patent for one of convenient MTD versions is presented for binary signals. The detailed description of this version MTD of algorithm is presented on the same page in the report at conference DSPA'08 in March of this year in Moscow.

Interesting QMTD demoprogram is placed also on an educational (English!) page in which it is possible to observe conveniently reduction of number of errors by various iterations of decoding for a photo transmission. Application of special codes allows to solve the task of maintenance «non readability» messages without use of any methods of special closing of the information. Read the description of a demo of the packed block [photo_demo.zip](#), adjust a file of input data - and work!

And last materials about MTD on educational (only Russian now too!) page: presentation of method MTD with a tentative estimation of the future checks. It is a very interesting direction of development of MTD methods, deserving an all-around attention.