Our new purposes

By present time we have achieved significant acceleration of realization authorized before the plan of works on MTD decoders developing with higher level of a code gain (CG). The part of this plan of works has already been submitted on our site.

New progress in researches and development of MTD decoders is caused by the following factors:

1. Theme MTD has received the grant of the Russian fundamental researches fund (RFRF). It has allowed to update the process equipment of development and researches approximately in 3-5 times.

2. The direction of new highly effective decoding on MTD basis has got the support of the Russian Academy of Sciences and of the large enterprises of communication branch. It has involved attention of the broad audience of experts to the MTD methods.

3. Processes of a patents package formation of on the MTD subject became accelerated essentially. It has created more favorable conditions for development of subjects of multithreshold decoding and the attention of the largest organizations of communication department and other technologically advanced branches of industry, and also the state structures.

Experience of last achievements has shown also, that the opened directions of increase of power efficiency allow, on tentative estimations, to reduce in 3-5 times a time of new MTD decoders development with higher CG level. In particular, MTD decoders with the working attitude of the input noise level $E_b/N_0 \sim 1$ dB, according to the specified estimations, can be created in the middle of the next 2006. They will keep high processing speed of the already created MTD decoders both in program, and in hardware variants of realization.

Thus, we declare a principal intensification of researches in MTD area. We invite all colleagues and potential customers of high-speed coding systems with extremely high CG values to joint with new MTD development which will be especially appreciably accelerated at an investment concerning small means in the certain directions of new researches.

MTD decoders have already proved completely unequivocally unconditional leadership among all basic error correction methods by criteria of the price, processing speed, energetic efficiency and reliability among all basic known decoding algorithms.

Successful end in the near future of these development for the noise level practically corresponding to equality of code rate and throughput of the channel will allow us to become leaders for ever.

Join us! We invite you to become a leaders!