Probabilistic Decoding for Deletion, Insertions and Substitution Errors with a Watermark-LDPC Concatenated Code

A powerful concatenated coding scheme coping with deletions, insertions and substitutions is analysed. It takes as an outer code a powerful LDPC code, and as inner code a watermark code to cope with the synchronization errors. The proposed scheme will be also implemented and redeveloped.

Advisors
Lorenz Welter, Andreas Lenz