

Codage canal



Component

École Nationale
Supérieure
d'Électrotechnique
d'Électronique
d'Informatique
d'Hydraulique
et des
Télécommunications

In brief

> **Code:** N7EN03A

Presentation

Objectives

- be able to dimension a channel coding scheme based on convolutional and cyclic codes
 - be able to encode and decode the proposed codes
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Description

This module is dedicated to channel coding, and more specifically to the study of convolutional and cyclic codes:

- convolutional codes: state diagram, Viterbi algorithm, punching
 - cyclic codes: Galois body, binary BCH codes, Reed-Solomon codes
 - concatenated codes
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Pre-requisites

Digital communications (UE N6EN02 "Telecommunications" or equivalent)

Useful info

Place

› Toulouse