

Contrôle et Apprentissage



Component

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

In brief

> **Code:** N8EN18B

Presentation

Objectives

The objective is, first, to learn how to analyze and evaluate the performance of computer systems based on stochastic models.

Description

We will first study Markov decision processes, which is a general framework for optimizing stochastic models, and in particular Markov chains. We will then study the performance of the most important scheduling policies in practice. We will finish by studying the allocation of resources in networks, with particular attention to TCP