Non Linear Circuits

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

Semester
Printemps

In brief

> **Ametys Code:** N8AE01B

> **Open to exchange students:** No

Presentation

Objectives

Master the concepts related to nonlinear analog circuits based on bipolar transistors.

Description

These lessons consist of 4 separate courses covering: VCO, PLL, charge transfer devices, TTL and CMOS logic at the transistor level. Each topic is illustrated with simulations in PSpice, allowing the concepts taught in class to be understood.

Pre-requisites

Basic knowledge of transistor circuits