

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