

Electronic Functions



Component

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



Semester

Printemps

In brief

> **Ametys Code:** N6AE02B

> **Open to exchange students:** No

Presentation

Objectives

- Use and consolidate the knowledge acquired in semester 5

Passive circuits: know how to use time and frequency domain measurement methods (transient response, resonance frequency, etc.) to determine the characteristics of a passive component or assembly

Active circuits with operational amplifiers: implementation and characterization of active filters of order 2 or higher. Consequences of component technological limitations on assemblies

- Implementation and characterization of transistor assemblies studied in class, Analog Circuits tutorial

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