

# Electric Circuits Analysis Methods



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



Semester  
Automne

In brief

> **Code:** N5EE04A

## Presentation

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### Description

- Signals and systems: definitions, linear systems with time invariance.
- Circuit generalities: elements, energy relations, units.
- Laplace transform: properties, applications in differential equations.
- sinusoidal steady state: Bode and Nyquist plot, energy
- General theorems: various equivalents. Quadripoles.