

Vak: Continuous Time Signal Processing

credits: 4

Vakcode	ELVH19ACTSP	Werkvormen	Hoorcollege
Naam	Continuous Time Signal Processing		Opdracht
Studiejaar	2020-2021		Practicum / Training
ECTS credits	4	Toetsen	Continuous Time Signal Processing - Schriftelijk, eigen organisatie
Taal	Engels		
Coördinator	B.D. Williams		

Leeruitkomsten

The student can:

- calculate the frequency response of an LTI system;
- calculate and sketch the magnitude and phase of the frequency response of an LTI system, and recognise the most fundamental meanings of these characteristics;
- perform a frequency analysis of a signal by use of the correct of the Fourier Transform in combination with standard characteristics and tables of the Fourier transform;
- apply Fourier analysis to calculate the impact of sampling and windowing on spectra;
- apply convolution and multiplication properties of FT theory to filtering, modulation and sampling of a continuous time series.

Inhoud

During this study unit you will have tutorials and theory. For the theory you will get some homework assignments. If you do these assignments correctly, you have the possibility to earn a higher grade on your written exam.

Opgenomen in opleiding(en)

Elektrotechniek Major Sensor Technology
Minor Technology to Create
Exchange Technology to Create (autumn)

School(s)

Instituut voor Engineering