

NON-LINEAR SYSTEMS

Time 13:15-17:00 Mon., 10:00-17:00 Tue.Thu.

Lectures: 10:00-12:00 Tue,Thu.,KRUYT-O106

Extra lectures: 13:15-15:00 Mon (31/08; 07/09) KRUYT-O106

Tutorials: 13:15-17:00 KRUYT-O126 (Computer leerzaal)

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Time Schedule (approx)

August/September	31- 3	General ideas of bifurcation theory; Taylor series in 1 D and in 2D; Fold bifurcation
	7-10	transcritical and pitch fork bifurcations for 1D dif. eq.;
	14-17	Review of 2D systems; Stability;
	21-24	Systems with parameter; Hopf bifurcation; Center manifold;
		Fold, transcritical and pitch fork bifurcations for 2D differential equations;
September/October	28-1	1D maps; Fold, transcritical, pitch fork, flip bifurcations for 1D maps.
	5-8	Period doubling cascade; Feigenbaum universality; 2D maps; Neimark- Sacker bifurcation;
	12-15	Bifurcations of limit cycles; Maps on a circle; Phase locking; Global bifurcations for 2D dif. eq;
	19-22	Co-dim 2 bifurcations for dif. eqs.
	26-29	Introduction to PDEs;

The exam is on Thursday 5th of November at 10:00 at KRUYT-O126.

You must be officially registered for this course in order to be able to take part in the final exam and get 'punten'.

On **Thu. 29 October** we have a whole day tutorials 10:00-17:00.

(over please)

Rooster Niet-lineaire systemen

16-Jul

Activiteit	Datum	Starttijd	Eindtijd	Zaal	Werkvorm
B3NLS HC0831	31-Aug-09	13:15	15:00	KRUYT - O106	HC
B3NLS HC0901	1-Sep-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO0901		13:15	17:00	KRUYT - O126	CO
B3NLS HC0903	3-Sep-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO0903		13:15	17:00	KRUYT - O126	CO
B3NLS HC0907	7-Sep-09	13:15	15:00	KRUYT - O106	HC
B3NLS HC0908	8-Sep-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO0908		13:15	17:00	KRUYT - O126	CO
B3NLS HC0910	10-Sep-09	11:00	15:00	KRUYT - O106	HC
B3NLS COO0910		15:15	18:00	KRUYT - O126	CO
B3NLS COO0914	14-Sep-09	13:15	17:00	KRUYT - O126	CO
B3NLS HC0915	15-Sep-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO0915		13:15	17:00	KRUYT - O126	CO
B3NLS HC0917	17-Sep-09	10:00	11:45	KRUYT - O106	HC
B3NLS COO0917		13:15	17:00	KRUYT - O126	CO
B3NLS COO0921	21-Sep-09	13:15	17:00	KRUYT - O126	CO
B3NLS HC0922	22-Sep-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO0922		13:15	17:00	KRUYT - O126	CO
B3NLS HC0924	24-Sep-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO0924		13:15	17:00	KRUYT - O126	CO
B3NLS COO0928	28-Sep-09	13:15	17:00	KRUYT - O126	CO
B3NLS HC0929	29-Sep-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO0929		13:15	17:00	KRUYT - O126	CO
B3NLS HC1001	1-Oct-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO1001		13:15	17:00	KRUYT - O126	CO
B3NLS COO1005	5-Oct-09	13:15	17:00	KRUYT - O126	CO
B3NLS HC1006	6-Oct-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO1006		13:15	17:00	KRUYT - O126	CO
B3NLS HC1008	8-Oct-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO1008		13:15	17:00	KRUYT - O126	CO
B3NLS COO1012	12-Oct-09	13:15	17:00	KRUYT - O126	CO
B3NLS HC1013	13-Oct-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO1013		13:15	17:00	KRUYT - O126	CO
B3NLS HC1015	15-Oct-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO1015		13:15	17:00	KRUYT - O126	CO
B3NLS COO1019	19-Oct-09	13:15	17:00	KRUYT - O126	CO
B3NLS HC1020	20-Oct-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO1020		13:15	17:00	KRUYT - O126	CO
B3NLS HC1022	22-Oct-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO1022		13:15	17:00	KRUYT - O126	CO
B3NLS COO1026	26-Oct-09	13:15	17:00	KRUYT - O126	CO
B3NLS HC1027	27-Oct-09	10:00	12:45	KRUYT - O106	HC
B3NLS COO1027		10:00	17:00	KRUYT - O126	CO
B3NLS COO1029	29-Oct-09	10:00	17:00	KRUYT - O126	CO