

MIT-Haiti Initiative - Mathematics Workshops

January 16th-19th, 2013

Day 1 – Wednesday, January 16th

8:30-9:00 am	General Introduction
9:00-9:45 am	Introduction to Pedagogy & Assessment
9:45-10:45 am	Introduction to Active Learning
10:45-11:00 am	Break

Mathematics Workshop Session I

11:00-1:00 pm	1. Introduction to flashcard lectures and the MIT Mathlets 2. Modelling an interactive lecture: Isoclines
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1:00-2:00 pm Lunch

Mathematics Workshop Session II

2:00-6:00 pm	1. Small group activity: Solution targets 2. Interactive lecture: Fourier series 3. Modelled Mathlet-based homework: Fourier series
Homework:	Read text on modelling spring/mass/dashpot systems

Day 2 – Thursday, January 17th

9:00-9:30 am Introduction to Educational Technologies (Part I)

1:00-2:00 pm Lunch

Mathematics Workshop Session III

2:00-6:00 pm 1. Interactive lecture and classroom exploration: Frequency response

2. Small group explorations: gain and phase lag

Homework: Look at the range of Mathlets

Day 3 – Friday, January 18th

9:00-9:30 am Introduction to Educational Technologies (Part II)

9:30-1:00 pm Assessment & Evaluation Workshop

1:00-2:00 pm Lunch

Mathematics Workshop Session IV: Charrette

2:00-6:00 pm Designing & writing your own Mathlet activities

Day 4 – Saturday, January 19th

9:00-1:00 pm Closing Presentations