

Computer Arithmetic Presentations

DUE: 9am, the day of your presentation (Monday, Jan 20 or Tuesday, Jan 21)

Objectives

Gain experience in presenting to your peers;
Gain an understanding of the issues involved in computer arithmetic.

Presentation

During class time next Monday and Tuesday, each team of two students will make a short presentation on their assigned topic listed below. Presentations must be done in PowerPoint.

Here are the guidelines:

- 1) Each team of 2 is allowed a maximum of 6 minutes for presentation and questions.
- 2) All PowerPoint presentations must contain a minimum of 3 slides and a maximum of 6.
 - a. Page 1 – Title page
 - b. Pages 2, 3, 4, 5 – Content pages
 - c. Page 6 – Bibliography
- 3) All PowerPoint presentations must be placed in the appropriate D2L drop box by 9am on the day of presentation.
- 4) You may switch topics and/or partners with unanimous agreement and conveyance to the instructor of such changes.

Monday Presenters	Topic
Marcondes, Russell	Carry Save Addition
Christensen, Froelich	Newton-Raphson Division
Binder, Ventura	Goldschmidt Division
Saca, Sukachevin	Non-Restoring Division
Arlt, Wilde	SRT Division
Palma, Sullivan	Wallace Tree Multiplication
Pham, Stanger	Dadda Multiplier
Tuesday Presenters	
Nascimento	Single Precision Floating Point Representation
Birge, Llewellyn	Double Precision Floating Point representation
Garcesa, Herbal	Floating Point Instructions in MIPS
Grange, Terrado	<i>Guard, Round, and Sticky</i> bits in Floating Point Math
Jessop, Jurgensen	Subword Parallelism
Malaguit, McClure	MMX and SSE Instruction Classes for x86

To Turn In

Your presentation in the D2L hw#4 dropbox by 9am on the day of your presentation.