

Floating-Point Indoctrination at Sun  
 8-10 am, Sun's Bldg. 7, 2700 Coast Ave. M V  
 TENTATIVE SCHEDULE: as of June 20

Date	1988	Topic
Tues.	May 3	Overview: Who should attend & why?
Thurs.	May 5	Overview cont'd: the environment.
Tues.	May 10	Integers -- basics
Thurs.	May 12	Floating-Point representation -- basics
Tues.	May 17	Floating-Point -- why Binary is best
Thurs.	May 19	Floating-Point error analysis -- usual model
Tues.	May 24	Floating-pt. error anal. -- to the last bit
Thurs.	May 26	+, -, *, / Aberrant rounding vs. IEEE 754/854
Tues.	May 31	When is SNGL(dble)=sngl ? Compensated ADD
Thurs.	June 2	Nonconventional numbers, Intervals, ACRITH
Tues.	June 7	Guest: Ulrich Kulisch on Fortran SC etc.
Thurs.	June 9	CORDIC Algorithms. Register file vs. Stack
Tues.	June 14	Guest: Jim Valerio on 387 CORDIC, 80960 reg's
Thurs.	June 16	Pi for trig. function argument reduction
Tues.	June 21	Guest: Tom Anderson on CYDROME CYDRA 5
Thurs.	June 23	Multiple-Precision & other language issues
Tues.	June 28	Report on some aberrant computers (CDC, CRAY)
Thurs.	June 30	Guest: Cleve Moler on Portable Numer. Soft.
Tues.	July 5	Software for Divide & SQRT
Thurs.	July 7	Exception handling
Tues.	July 12	Approximating transcendental functions
Thurs.	July 14	The REMEZ algorithm vs. Rounding errors
Tues.	July 19	Monotonicity
Thurs.	July 21	Project Reports
Tues.	July 26	Project Reports cont'd.
Thurs.	July 28	8-10 am : Project Reports cont'd
Thurs.	July 28	7:30-10 pm : Wrap-up at Apple I