

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 |