A library built to be tested

The Native MathROM THIN library is a **best-effort research and beta-test release**: 23 small assembly adapters to mathematical services already resident in the Casio PB-2000C ROM. The companion MREVAL explorer offers 26 demonstration commands. MathROM and MathABI are measurement tools, not separate libraries.

This is a useful beginning, not the end of the investigation.

The source wrappers, exact build identities, bounded emulator observations and teaching papers provide a practical platform for learning. A specific call becomes dependable only under its demonstrated machine-state and input/output conditions. Untested domains and caller effects remain questions for experimentation, not assumptions of success.

Our proposed next step is to bring **Native MathROM THIN and the independent Math 1.1 family together in lib-set-01**, and build a single application that exercises comparable cases through both paths. An agreement will be useful evidence. A discrepancy will be even more interesting: something to measure, reproduce, and understand. Neither implementation will be treated as an infallible oracle for the other.

Chapter 09 is **curated and closed as an accepted-with-limitations beta research release**. The public archive preserves the 23-wrapper source, MREVAL, three pinned 64-KiB ROM images, six ROM/listing artifacts, a 63-input source closure, and the four companion teaching papers. Full numerical coverage, generalized ABI safety, hardware qualification and unrestricted third-party licensing are not asserted.

The intended spirit is constructive: **use the library, compare implementations, preserve surprises, and let new evidence improve the next edition.** Future shared-library integration and cross-validation will have their own scope and acceptance records; nothing in this note changes the accepted chapter binaries.

Papa Sol | Independent Red Pill curator | Praeteritum ad futurum servamus.