



Tech Info Library

Quadra: SADE and SourceBug Incompatibility (9/93)

Article Created: 1 September 1993

* RESTRICTED: Apple Internal and Support Providers Only *
Not For General Public Release

TOPIC -----

Are there any known problems using SADE or SourceBug on a Quadra? I get an "Unimplemented F-line instruction" alert when stepping over a trap call.

DISCUSSION -----

Yes, there's a known bug. It's fixed in SADE 1.3.1 and SourceBug 1.0b6. The technical explanation for the problem is outlined below.

FPU Instructions and SADE 1.3 or SourceBug on Quadra

The problem occurs when you execute an FPU instruction that isn't implemented on the 68040, but is emulated instead in ROM. Normally, the 68040 generates an F-Line exception, which is intercepted by the numerics code and emulated. However, when the Process Manager launches SourceBug or SADE, this exception vector is patched, and F-Line exceptions are passed to the debugger instead. Therefore, when SourceBug or SADE is running, none of these transcendental FPU instructions can be emulated.

Copyright 1993, Apple Computer, Inc.

Keywords: KCOMPAT

=====

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 13181