

3. PDP-10 FORTRAN COMPILER ERROR

In some cases mixed mode arithmetic expressions do not compile correctly. In particular, the following expression,

$$D=S*D/(2*I-1)$$

where D and S are double precision and I is an integer, is known not to create proper code.

It is worth noting that the U.S.A. Standard FORTRAN specifications do not permit mixed mode expressions, and while several compilers do permit them, it is neither desirable nor necessary to make use of this facility.