

To: J3

Date: 19th March 2001

Subject: Issue 262

From: Malcolm Cohen

1. Issue 262: discussion

Issue 262 concerns the definition and use of "intrinsic". Specifically, the editor says:

"The 2nd para of c13 acknowledges nonstandard intrinsic modules, but the first para and 13.1 ignore nonstandard intrinsic procedures."

Response: No they don't; but on careful review of 13.1 there is one mistake and one typo. Edits are supplied to fix both.

"I presume the function categorizations here apply only to the standard intrinsic functions."

Response: You presume wrongly. These categorisations are specifically intended to apply to all intrinsic procedures.

"It seems anomalous that the section headings for 13.13, 13.14, and 13.17 include the word "standard", but those for 13.1, 13.15, and 13.16 don't. I don't see the pattern here."

Response: 13.1 applies to all intrinsic functions whether standard or nonstandard. I agree that 13.15 should include the word "standard" in its title; an edit is supplied to fix this. The title for 13.16 already does include the word "standard"!

"(But perhaps all this would be improved by drastically cutting back on the mess that is the early parts of c13.)"

Response: I concur wholeheartedly. That elephantine task will however be left to another paper.

"Of a more technical concern is the new definition of specification expression. Standard intrinsics are allowed, and non-intrinsics are allowed, but nonstandard intrinsics are disallowed (the definition specification function says that it is nonintrinsic). I *SERIOUSLY* doubt that this is intended."

Response: I too have my doubts. A serious edit is supplied to fix this.

2. Edits to 01-007

[116:2] Change "not an intrinsic" to "not a standard intrinsic".

{Remove serious doubts.}

[275:4-12] Change "Paper ... perhaps all" to "All".

[275:13-17] Delete ") ... intended".

{Remove the parts of issue 262 that this paper resolves.}

[275:19] Replace "One intrinsic subroutine is elemental" by

"Intrinsic subroutines may be elemental".

{Acknowledge the sub-classification of intrinsic subroutines. An alternative edit would be to insert "standard" after "One" but that would be inappropriate since this paragraph is talking about the classification of intrinsic procedures, not commenting on particular ones.}

[275:21] Change "interopability" to "interoperability".

{Fix typo.}

[286:12] Change "Intrinsic" to "Standard intrinsic".

{Fix section title.}