Subject: Comments on clause 13

From: Van Snyder

# 1 Edits

2 3 4 5	Edits refer to 07-007. Page and line numbers are displayed in the margin. Absent other instructions, a page and line number or line number range implies all of the indicated text is to be replaced by associated text, while a page and line number followed by $+$ (-) indicates that associated text is to be inserted after (before) the indicated line. Remarks are noted in the margin, or appear between [ and ] in the text.	
6	[Editor: Insert "undefined or" before "not associated".]	341:9
7	[Editor: Replace three semicolons by commas.]	343:21-22
8	[Editor: Insert "(A)" after "IS_CONTIGUOUS".]	347:6
9 10	[It's not clear when reading the table, until after reading it, what the bullets $(\bullet)$ are for. Editor: Move [351:1-2] to [350:7+].]	351:1-2
11	[Editor: Insert "or $n = 1$ " after "absent".]	354:21
12	[Editor: Insert "or $n = 1$ " after "absent".]	355:27
13	[Editor: Delete first "or".]	362:32
14	[Editor: Delete Replace "or" by a comma.]	363:0+1
15	[Editor: "result" $\Rightarrow$ "RESULT".]	364:13
16	[Editor: What causes the blank numbered line?]	371:1
17	Editor: Insert "or $n = 1$ " after "absent".]	371:3
18	[Editor: Insert "and kinds" after "types".]	375:5
19 20	[Editor: Insert the sentence "It is recommended that the product be computed in double precision, rather than being computed in single precision and then converted to double precision."]	375:25
21	$[Editor: "omitted" \Rightarrow "absent".]$	377:0+3
22	[Editor: "The" $\Rightarrow$ "If there is such a value, the".]	381:5
23	$\overline{\text{[Editor: "The"} \Rightarrow "If there is such a value, the".]}$	381:12
24	$\overline{\text{[Editor: "Note that this"} \Rightarrow \text{"This".]}}$	381:35
25	$\overline{\text{[Editor: "Note 1"} \Rightarrow \text{"This is independent of the declared lower bounds for B" (compare to [381:25]).]}}$	381:39-40
26	[Editor: Exdent the paragraph.]	382:20-22
27	[Editor: Append ", ONLY: IMAGE_TEAM"]	382:23
28	[Editor: "It $0$ ," $\Rightarrow$ "NUMBER is allowed to be zero".]	385+2-3
29	[Editor: Insert a space before "IBCLR".]	388:32
30	[Editor: "it is" $\Rightarrow$ "the result value is".]	392:2
31	[Editor: Delete "and".]	393:23
32	$\overline{\text{[Editor: "will have"} \Rightarrow "has".]}$	394:12
33	$\overline{\text{[Editor: "of type"} \Rightarrow "or".]}$	396:28
34	Editor: Insert "and only if" after "if".	396:33

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35	[Editor: Delete "; otherwise the result is false".]	397:1
36	$[Editor: "of type" \Rightarrow "or".]$	397:8
37	[Editor: Insert "and only if" after "if".]	397:13
38	[Editor: Delete "; otherwise the result is false".]	397:14
39	[Editor: "of type" $\Rightarrow$ "or".]	397:21
40	[Editor: Insert "and only if" after "if".]	397:26
41	[Editor: Delete "; otherwise the result is false".]	397:27-28
42	[Editor: "of type" $\Rightarrow$ "or".]	398:6
43	[Editor: Insert "and only if" after "if".]	398:11
44	[Editor: Delete "; otherwise the result is false".]	398:12
45	[Editor: "Note that this" $\Rightarrow$ "This".]	403:8
46	[Editor: "has" $\Rightarrow$ "is of".]	403:38
47	[Editor: "has" $\Rightarrow$ "is of".]	406:30
48	[Editor: "Note that this" $\Rightarrow$ "This".]	406:37
49	[Editor: "Note that this" $\Rightarrow$ "This".]	406:39
50	[Editor: "has" $\Rightarrow$ "is of".]	407:28
51 52	[Editor: "component constructor" $\Rightarrow$ "entity" since NULL() is a perfectly good actual argument corresponding to an allocatable dummy argument.]	411:26-27
53	[Editor: Delete "Mold length" because it duplicates [412:5-6].]	412:8-10
54	[Editor: "The following uses" $\Rightarrow$ "Use".]	413:3
55	[Editor: Delete final "the".]	414:23
55 56	[Editor: Delete final "the".]  [Editor: "1 even" $\Rightarrow$ "MOD(POPCNT(I),2)".]	
		414:23
56	[Editor: "1 even" $\Rightarrow$ "MOD(POPCNT(I),2)".]	414:23 414:34
56 57 58 59	[Editor: "1 even" $\Rightarrow$ "MOD(POPCNT(I),2)".] [Editor: Delete "variable".]	414:23 414:34 416:33 419:23
56 57 58 59	[Editor: "1 even" $\Rightarrow$ "MOD(POPCNT(I),2)".] [Editor: Delete "variable".] [Editor: "8" $\Rightarrow$ "16".] [Editor: Add a sentence to Note 13.20: "A disassociated or unallocated unlimited polymorphic variable	414:23 414:34 416:33 419:23
56 57 58 59 60	[Editor: "1 even" ⇒ "MOD(POPCNT(I),2)".]  [Editor: Delete "variable".]  [Editor: "8" ⇒ "16".]  [Editor: Add a sentence to Note 13.20: "A disassociated or unallocated unlimited polymorphic variable has no type."]	414:23 414:34 416:33 419:23 420:20+2+
56 57 58 59 60	[Editor: "1 even" $\Rightarrow$ "MOD(POPCNT(I),2)".]  [Editor: Delete "variable".]  [Editor: "8" $\Rightarrow$ "16".]  [Editor: Add a sentence to Note 13.20: "A disassociated or unallocated unlimited polymorphic variable has no type."]  [Editor: "the If" $\Rightarrow$ "or if".]	414:23 414:34 416:33 419:23 420:20+2+ 425:31-33
56 57 58 59 60 61 62	[Editor: "1 even" $\Rightarrow$ "MOD(POPCNT(I),2)".]  [Editor: Delete "variable".]  [Editor: "8" $\Rightarrow$ "16".]  [Editor: Add a sentence to Note 13.20: "A disassociated or unallocated unlimited polymorphic variable has no type."]  [Editor: "the If" $\Rightarrow$ "or if".]  [Editor: Insert "of" before "SUM".]	414:23 414:34 416:33 419:23 420:20+2+ 425:31-33 429:16
556 557 558 559 660 661 662	[Editor: "1 even" $\Rightarrow$ "MOD(POPCNT(I),2)".]  [Editor: Delete "variable".]  [Editor: "8" $\Rightarrow$ "16".]  [Editor: Add a sentence to Note 13.20: "A disassociated or unallocated unlimited polymorphic variable has no type."]  [Editor: "the If" $\Rightarrow$ "or if".]  [Editor: Insert "of" before "SUM".]  [Editor: "-" (hyphen) $\Rightarrow$ "-" (\$-\$).]	414:23 414:34 416:33 419:23 420:20+2+ 425:31-33 429:16 429:28+2

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The types and procedures defined in standard intrinsic modules are not themselves intrinsic.

### 67 2 Passive voice

Most of the intrinsic procedure descriptions are simple declarations or are in active voice. Replace passive voice by simple declarations or active voice.

#### 2.1 Summaries in 13.5

10	2.1 34111141165 11 13.5	
71	[Editor: "Conversion" $\Rightarrow$ "Convert".]	344:10
72	[Editor: "Conversion" $\Rightarrow$ "Convert".]	344:16
73	[Editor: "Conversion" $\Rightarrow$ "Convert".]	345:2
74	[Editor: "Bit testing" $\Rightarrow$ "Test bit".]	347:13
75	[Editor: "Bit extraction" $\Rightarrow$ "Extract bit".]	347:13
76	[Editor: "Copies" $\Rightarrow$ "Copy".]	347:27+1
77	[Editor: Insert "and only if" after "if" twice.]	348:5-6
78	[Editor: "Replicates" $\Rightarrow$ "Replicate".]	348:24
79	[Editor: Delete "of".]	348:25
80	[Editor: "Whether" $\Rightarrow$ "True if and only if" twice (compare [348:5-6]).]	349:2-3
81	$[Editor: "Returns" \Rightarrow "Return".]$	349:12
82	[Editor: "Moves" $\Rightarrow$ "Move".]	349:14
83	[Editor: "Returns" $\Rightarrow$ "Return".]	349:17
84	[Editor: "Initializes" $\Rightarrow$ "Initialize" and "restarts" $\Rightarrow$ "restart".]	349:18
85	[Editor: "Forms" $\Rightarrow$ "Form".]	349:25
86	[Editor: "Returns" $\Rightarrow$ "Return".]	349:25+1
87	[Editor: "Returns" $\Rightarrow$ "Return".]	349:26+1
88	2.2 Detailed descriptions	
89	$\overline{\text{[Editor: "Returns"} \Rightarrow \text{"Return"}. \text{ Better yet: "Returns the character"} \Rightarrow \text{"Character"}.]}$	352:16
90	[Editor: "Truncation" $\Rightarrow$ "Truncate toward zero".]	354:3
91	[Editor: "Returns" $\Rightarrow$ "Return".]	356:24
92	[Editor: "Returns the number" $\Rightarrow$ "Number".]	360:13
93	[Editor: "Tests" $\Rightarrow$ "Test".]	361:26
94	[Editor: "Returns the least" $\Rightarrow$ "Least".]	362:3
95	[Editor: "Returns the character" $\Rightarrow$ "Character".]	362:13
96	[Editor: "Returns all the lower" $\Rightarrow$ "Lower".]	364:16
97	[Editor: "Returns all the upper" $\Rightarrow$ "Upper".]	368:5
98	[Editor: "Returns the number" $\Rightarrow$ "Number".]	369:15
99	[Editor: "Returns the processor" $\Rightarrow$ "Processor".]	371:18
100	[Editor: "Returns" $\Rightarrow$ "Return".]	373:1
101	[Editor: "Returns" $\Rightarrow$ "Return".]	374:9
102	[Editor: "The zero" $\Rightarrow$ "MAX(X-Y.0)".]	374.19

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103	[Editor: "Y otherwise" $\Rightarrow$ "MAX(X-Y,0)".]	374:25
104	[Editor: "Performs dot" $\Rightarrow$ "Dot".]	374:28
105	[Editor: "Performs a combined" $\Rightarrow$ "Combined".]	375:28
106	[Editor: "Performs a combined" $\Rightarrow$ "Combined".]	376:7
107	[Editor: "Returns a positive" $\Rightarrow$ "Positive".]	377:19
108	[Editor: "Returns the exponent" $\Rightarrow$ "Exponent".]	379:21
109	[Editor: "Inquires" $\Rightarrow$ "Inquire".]	380:8
110	[Editor: "Returns the greatest" $\Rightarrow$ "Greatest".]	381:42
111	[Editor: "Returns the fractional" $\Rightarrow$ "Fractional".]	383:2
112	[Editor: "Returns the entire" $\Rightarrow$ "Entire".]	383:19
113	[Editor: "Returns a command" $\Rightarrow$ "Command".]	384:1
114	[Editor: "Gets the value" $\Rightarrow$ "Value".]	385:3
115	[Editor: "Returns the largest" $\Rightarrow$ "Largest".]	385:12
116	[Editor: "Returns the position" $\Rightarrow$ "Position".]	386:9
117	[Editor: "Performs a bitwise" $\Rightarrow$ "Bitwise".]	387:17
118	$[Editor: "Clears" \Rightarrow "Clear".]$	388:23
119	$[Editor: "Extracts" \Rightarrow "Extract".]$	388:34
120	[Editor: "Sets" $\Rightarrow$ "Set".]	389:10
121	[Editor: "Returns the position" $\Rightarrow$ "Position".]	389:21
122	[Editor: "Performs a bitwise" $\Rightarrow$ "Bitwise".]	390:3
123	[Editor: "Returns the index" $\Rightarrow$ "Index".]	390:15
124	[Editor: "Returns the starting" $\Rightarrow$ "Starting".]	391:2
125	[Editor: "Performs a bitwise" $\Rightarrow$ "Bitwise".]	392:5
126	[Editor: "Performs a logical" $\Rightarrow$ "Logical".]	393:16
127	[Editor: "Performs a circular" $\Rightarrow$ "Circular".]	393:29
128	[Editor: "Returns the value" $\Rightarrow$ "Value".]	394:29
129	[Editor: "Returns all" $\Rightarrow$ "All".]	395:3
130	[Editor: "Returns the length" $\Rightarrow$ "Length".]	395:33
131	[Editor: "Returns the length" $\Rightarrow$ "Length".]	396:13
132	[Editor: "Converts" $\Rightarrow$ "Convert".]	399:11
133	[Editor: "Performs matrix multiplication" $\Rightarrow$ "Matrix product".]	400:18
134	[Editor: "Returns the maximum" $\Rightarrow$ "Maximum".]	401:32
135	[Editor: "Determine first" $\Rightarrow$ "Location of an".]	402:4
136	[Editor: "Determine first" $\Rightarrow$ "Location of an".]	405:27
137	[Editor: "Moves" $\Rightarrow$ "Move".]	408:22

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138	[Editor: "Moves" $\Rightarrow$ "Move".]	409:15
139	[Editor: "Returns the nearest" $\Rightarrow$ "Nearest".]	410:2
140	[Editor: "Returns a newline" $\Rightarrow$ "Newline".]	410:13
141	[Editor: "Performs a bitwise" $\Rightarrow$ "Bitwise".]	411:7
142	[Editor: "Return" $\Rightarrow$ "Return" and "designates" $\Rightarrow$ "designate".]	411:26
143	[Editor: "Returns the number" $\Rightarrow$ "Number".]	412:29
144	[Editor: "Returns the number" $\Rightarrow$ "Number".]	414:19
145	[Editor: "Return the bitwise" $\Rightarrow$ "Bitwise".]	414:30
146	[Editor: "Returns the decimal" $\Rightarrow$ "Decimal".]	415:2
147	[Editor: "Returns the base" $\Rightarrow$ "Base".]	416:20
148	[Editor: "Returns one" $\Rightarrow$ "One".]	416:30
149	$\overline{\text{[Editor: "Restarts or queries"} \Rightarrow \text{"Restart or query".]}}$	417:8
150	[Editor: "Returns the decimal" $\Rightarrow$ "Decimal".]	418:6
151	[Editor: "Returns the reciprocal" $\Rightarrow$ "Reciprocal".]	420:3
152	$[Editor: "Inquires" \Rightarrow "Inquire".]$	420:13
153	$[Editor: "Returns" \Rightarrow "Return".]$	420:22
154 155	[Editor: "Returns a value" $\Rightarrow$ "Value". At least "a" $\Rightarrow$ "the" since there's only one kind type parameter value for a given bit size.]	421:30
156	[Editor: "Returns the value" $\Rightarrow$ "Value".]	422:4
157	[Editor: "Returns a value" $\Rightarrow$ "A value".]	422:33
158	[Editor: "Returns a value" $\Rightarrow$ "A value".]	423:8
159	[Editor: "Returns the model" $\Rightarrow$ "Model".]	423:36
160	[Editor: "Returns the shape" $\Rightarrow$ "Shape".]	424:9
161	[Editor: "Performs a right" $\Rightarrow$ "Right".]	424:21
162	[Editor: "Performs a left" $\Rightarrow$ "Left".]	425:2
163	[Editor: "Performs a right" $\Rightarrow$ "Right".]	425:11
164	[Editor: "Returns the extent" $\Rightarrow$ "Extent".]	426:21
165	[Editor: "Returns the absolute" $\Rightarrow$ "Absolute".]	427:3
166	$\hline [\text{Editor: "Replicates"} \Rightarrow \text{"Replicate"}, \text{"Broadcasts"} \Rightarrow \text{"Broadcast"} \text{ and "forms"} \Rightarrow \text{"form"}.]$	427:14-15
167	[Editor: "Returns the storage" $\Rightarrow$ "Storage".]	428:11
168	[Editor: "Returns numeric" ⇒ "Numeric".]	429:26
169	[Editor: "Returns a list" $\Rightarrow$ "List".]	430:34
170	[Editor: "Returns the index" $\Rightarrow$ "Index".]	431:1
171	[Editor: "Returns the smallest" $\Rightarrow$ "Smallest".]	431:24
172	[Editor: "Count the number" \Rightarrow "Number".]	432:3

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173	[Editor: "Returns" $\Rightarrow$ "Return".]	432:12
174	$[Editor: "Returns" \Rightarrow "Return".]$	433:14
175	[Editor: "Returns all the upper" $\Rightarrow$ "Upper".]	433:23
176	$\overline{\text{[Editor: "Returns a processor"} \Rightarrow \text{"Processor" twice.]}}$	436:7,16
177	3 Simplify argument descriptions	
178 179	Argument descriptions are sometimes verbose, e.g., "shall be scalar and of type integer," and sometimes terse, e.g., "shall be a scalar integer initialization expression." The verbose ones could be simpler.	
180	[Editor: "of an" $\Rightarrow$ "a logical".]	354:18
181	[Editor: "scalar integer" $\Rightarrow$ "an integer scalar".]	354:18+1
182	[Editor: "of an" $\Rightarrow$ "a logical array".]	355:24
183	[Editor: "scalar integer" $\Rightarrow$ "an integer scalar".]	355:24+1
184	[Editor: "Y argument" $\Rightarrow$ "an actual argument shall not correspond to Y"	363:0+1-373:1
185	$\overline{[\text{Editor: "and"} \Rightarrow \text{comma, insert "and shape" after "parameters", delete ", and shall CO\_ARRAY".]}$	365:19+1-2
186	[Editor: "of an" $\Rightarrow$ "a logical".]	370:29
187	[Editor: "scalar and of type integer" $\Rightarrow$ "an integer scalar".]	370:29+1
188	[Editor: "scalar character" $\Rightarrow$ "a default character scalar".]	373:4+1
189	[Editor: "scalar character" $\Rightarrow$ "a default character scalar".]	373:5+1
190	[Editor: "scalar character" $\Rightarrow$ "a default character scalar".]	373:6+1
191	[Editor: "of one" $\Rightarrow$ "a rank-one default integer array".]	373:7+1
192	[Editor: "may array" $\Rightarrow$ "shall be an array of any type".]	376:28
193	[Editor: "scalar and of type integer" $\Rightarrow$ "an integer scalar".]	377:1+1
194	Editor: "of type" $\Rightarrow$ "a", delete "and shall be".]	379:3+1
195	[Editor: "of type" $\Rightarrow$ "a", delete "and shall be".]	379:4+1
196	Editor: "of type" $\Rightarrow$ "a", delete "and shall be a".]	379:5+1
197	Editor: "of type" $\Rightarrow$ "a", delete "and shall be a".]	379:6+1
198	Editor: "of type" $\Rightarrow$ "a", delete "and shall be a".]	379:7+1
199	[Editor: "of array" $\Rightarrow$ "an array of intrinsic type".]	380:24
200	[Editor: "scalar integer" $\Rightarrow$ "an integer scalar".]	380:25+1
201	[Editor: "scalar logical" $\Rightarrow$ "a logical scalar".]	380:25+1
202	[Editor: "of integer" $\Rightarrow$ "a rank-one integer array".]	382:12+1
203	[Editor: "scalar integer" $\Rightarrow$ "default integer scalar" (but see section 6 below).]	382:13+1
204	[Editor: "scalar integer" $\Rightarrow$ "default integer scalar" (but see section 6 below).]	382:14+1
205	[Editor: "scalar character" $\Rightarrow$ "a default character scalar".]	383:21+1
206	[Editor: "scalar integer" $\Rightarrow$ "a default integer scalar" (but see section 6 below).]	383:22+1
207	[Editor: "scalar integer" $\Rightarrow$ "a default integer scalar" (but see section 6 below)]	383.23+1

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208	[Editor: "scalar integer" $\Rightarrow$ "a default integer scalar" (but see section 6 below).]	384:4
209	[Editor: "scalar character" $\Rightarrow$ "a default character scalar".]	384:7+1
210	[Editor: "scalar integer" $\Rightarrow$ "a default integer scalar" (but see section 6 below).]	384:8+1
211	[Editor: "scalar integer" $\Rightarrow$ "a default integer scalar" (but see section 6 below).]	384:9+1
212	[Editor: "scalar character" $\Rightarrow$ "a default character scalar".]	385:5+1
213	[Editor: "scalar character" $\Rightarrow$ "a default character scalar".]	385:6+1
214	[Editor: "scalar integer" $\Rightarrow$ "a default integer scalar" (but see section 6 below).]	385:7+1
215	[Editor: "scalar integer" $\Rightarrow$ "a default integer scalar" (but see section 6 below).]	385:8+1
216	[Editor: "scalar logical" $\Rightarrow$ "logical scalar".]	385:9+1
217	[Editor: "a scalar integer" $\Rightarrow$ "an integer scalar".]	386:29+1
218	[Editor: "a scalar integer" $\Rightarrow$ "an integer scalar".]	388:2+1
219	[Editor: Insert "integer" before "array" and delete "and shall be of type integer".]	390:18:1,19
220	[Editor: "a scalar integer" $\Rightarrow$ "an integer scalar".]	392:21+1
221	[Editor: "a scalar integer" $\Rightarrow$ "an integer scalar".]	395:6+1
222	[Editor: "of an" $\Rightarrow$ "a character scalar or".]	396:2+1
223	[Editor: "If two" ⇒ "MATRIX_A and MATRIX_B shall not both have rank one".]	400:21+3-5
224	[Editor: Insert "an array" after first "be", delete "It shall be an array."]	402:8
225	[Editor: "scalar integer" $\Rightarrow$ "an integer scalar".]	402:8+1
226	[Editor: Insert "an array" after first "be", delete "It shall be an array."]	403:17
227	[Editor: "scalar integer" $\Rightarrow$ "an integer scalar".]	403:17+1
228	[Editor: Insert "an array" after first "be", delete "It shall be an array."]	405:31
229	[Editor: "scalar integer" $\Rightarrow$ "an integer scalar".]	405:31+1
230	[Editor: Insert "an array" after first "be", delete "It shall be an array."]	407:5
231	[Editor: "scalar integer" $\Rightarrow$ "an integer scalar".]	407:5+1
232	[Editor: "of array" $\Rightarrow$ "a real array".]	411:19
233	[Editor: "may array" $\Rightarrow$ "shall be an array of any type".]	413:16
234	[Editor: "of array" $\Rightarrow$ "an array of type logical".	413:32+1
235	[Editor: "scalar integer" $\Rightarrow$ "an integer scalar".]	414:1+1
236	[Editor: Insert "an array" before "of", delete "It array."]	415:27
237	[Editor: "scalar integer" $\Rightarrow$ "an integer scalar".]	415:27+1
238	[Editor: "scalar integer" $\Rightarrow$ "a default integer scalar".]	415:27+1
239	[Editor: "scalar character" $\Rightarrow$ "a character scalar".]	419:11
240	[Editor: "scalar integer" $\Rightarrow$ "an integer scalar".]	419:12
241	[Editor: "may array" $\Rightarrow$ "shall be an array of any type".]	419:21+1
242	[Editor: "scalar integer" ⇒ "an integer scalar"]	421.32

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```
[Editor: "scalar ... integer" \Rightarrow "an integer scalar".]
                                                                                                                                 421:36
243
      [Editor: "scalar ... integer" \Rightarrow "an integer scalar" thrice.]
                                                                                                                                 423:12-14
244
      [Editor: "of ... array" \Rightarrow "a scalar or array of any type".]
                                                                                                                                424:11+1
245
      [Editor: "of ... array" \Rightarrow "an array of any type".]
                                                                                                                                 426:24+1
246
      [Editor: "scalar ... integer" \Rightarrow "an integer scalar".]
                                                                                                                                 426:25+1
247
      [Editor: "of ... array" \Rightarrow "a scalar or array of any type".]
                                                                                                                                 427:18+1
248
      [Editor: "of ... array" \Rightarrow "a scalar or array of any type".]
                                                                                                                                428:14+1
249
      [Editor: "of ... array" \Rightarrow "an array of type integer, real or complex".]
                                                                                                                                 429:2
250
      [Editor: "scalar ... integer" \Rightarrow "an integer scalar".]
                                                                                                                                 429:2+1
251
252
      [Editor: "scalar ... integer" \Rightarrow "an integer scalar".]
                                                                                                                                 429:28+1
      [Editor: "scalar ... real" \Rightarrow "an integer or real scalar" twice.]
                                                                                                                                429:29+1,30+1
253
      [Editor: Delete 'and may be".]
254
                                                                                                                                 430:4
      [Editor: "scalar ... integer" \Rightarrow "a default integer scalar".]
255
                                                                                                                                 430:4+1
      [Editor: "of type" \Rightarrow "a", delete ". It may be a" and "an" giving "a real scalar or array".]
                                                                                                                                 430:27+1
256
      [Editor: "of ... array" \Rightarrow "a scalar or array of any type" twice.]
                                                                                                                                 432:16-17
257
      [Editor: "scalar ... integer" \Rightarrow "an integer scalar".]
                                                                                                                                 432:17+1
258
      [Editor: "of type" \Rightarrow "a", delete "and shall be".]
                                                                                                                                 433:16
259
      [Editor: "may . . . array" \Rightarrow "shall be an array of any type".]
                                                                                                                                 433:25+1
260
      [Editor: "scalar . . . integer" \Rightarrow "an integer scalar".]
                                                                                                                                 433:26+1
261
      [Editor: "may ... one" \Rightarrow "shall be a rank-one array of any type".]
                                                                                                                                 434:16+1
262
      [Editor: "an ... logical" \Rightarrow "a logical array".]
                                                                                                                                 434:18
263
```

### 264 4 Shapes are arrays, not lists

265 Editor: Replace the parentheses around shapes by square brackets at the following places:

```
354:21-22
           355:27-28
                       371:4-5
                                 372:8+2-372:9
                                                  381:2-3
                                                           386:24
                                                                        388:7
                                                                                  392:25-26
                                                                                             400:28-31
402:16
            403:21-22
                       406:6
                                 407:9-10
                                                  414:4-5
                                                            415:31-32
                                                                        429:6-7
                                                                                 433:9
```

## **5** Improper use of "absent"

267 In those intrinsic procedures that have two versions, usually having one with a DIM argument, the term

268 "absent" is used improperly: the DIM argument is not optional. Editor: Replace "is absent" by "does

269 not appear" at the following places:

## 6 Questions without answers (see 07-115)

271	Are collective subroutines pure?	341:15-19
272	Do we need to say it has the same shape on every image?	363:14

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273	What team?	382:12+3
274	Why default integer instead of simply integer?	382:13+1,14+1
275	Why default integer instead of simply integer?	383:22+1,23+1
276	Why default integer instead of simply integer?	384:4-9+1
277	Why default integer instead of simply integer?	385:7-8+1
278 279	Did we really intend that an allocatable with the TARGET attribute has to keep track of all pointers that have it as their target?	408:30-32
280 281 282	Every other intrinsic that has an optional DIM argument specifies that the corresponing actual argument shall not be an optional dummy argument. Why does THIS_IMAGE allow an optional dummy argument so long as it's not absent?	431:4+2
283	Does the type IMAGE_TEAM have any parameters?	437:4-6

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