IX.3.0B-SYSTEM-URELCH  SUBROUTINE URELCH

Description

Subroutine URELCH converts a real value to character string.

Calling Sequence

CALL URELCH (REAL,MAXCHR,CHAR,NUMDEC,NFILL,ISTAT)

Argument List

<table>
<thead>
<tr>
<th>Argument</th>
<th>Input/Output</th>
<th>Type</th>
<th>Dimension</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>REAL</td>
<td>Input</td>
<td>R*4</td>
<td>1</td>
<td>Real value</td>
</tr>
<tr>
<td>MAXCHR</td>
<td>Input</td>
<td>I*4</td>
<td>1</td>
<td>Maximum number of characters in CHAR: &lt;0 = zeros on right will not be removed</td>
</tr>
<tr>
<td>CHAR</td>
<td>Output</td>
<td>A1</td>
<td>MAXCHR</td>
<td>Character string</td>
</tr>
</tbody>
</table>
| NUMDEC    | Input        | I*4    | 1         | Number of decimal places to be filled in CHAR; maximum is 9:
|           |              |        |           | 0 = decimal point is the right most character in CHAR                       |
|           |              |        |           | -1 = no decimal point is stored in CHAR                                     |
| NFILL     | Output       | I*4    | 1         | Number of characters filled in CHAR                                         |
| ISTAT     | Output       | I*4    | 1         | Status code:
|           |              |        |           | 0 = no errors                                                               |
|           |              |        |           | 1 = MAXCHR not large enough to hold VALUE                                    |
|           |              |        |           | 2 = NUMDEC greater than 9; NUMDEC set to 9 and CHAR filled                  |
|           |              |        |           | 3 = value out of valid range (i.e. ABS(VALUE) GE 2**31)                    |