

NAME

R82TPV – Convert a REAL*8 to a two-part value.

SYNOPSIS

CALL R82TPV(R, TPV,L)

R is the REAL*8 value to convert
 TPV(2) is the INTEGER*4 two-part value returned
 L is the INTEGER*4 number of small things in a big one in the two-part value

DESCRIPTION

This routine puts the whole number part of R in TPV(1) and the rounded fractional part in TPV(2), to yield a two-part value whose big part has the same units as R. Then it normalizes the result.

SEE ALSO

TPV2R8, which converts a two-part value to a REAL*8
 TPVNML, which this routine uses
 and TPVADD, TPVSUB, TPVSCL, TPVMLT, TPVDIV, TPVMAX

LINKAGE

gfortran source.f -L\${HOME}/lib -lmisc

AUTHOR

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EXAMPLE

```
REAL*8 R/39.5D0/
INTEGER*4 TPV(2)
CALL R82TPV(R, TPV,12)
WRITE(6,901) R,TPV
901 FORMAT(F4.1,' = ',I2,' + ',I1,' /12')
STOP
END
```

This example produced the following output:

```
unix[1] a.out
39.5 = 39 + 6/12
unix[2]
```