

NAME

GETMHZ – Return the processor speed in MHz.

SYNOPSIS

CALL GETMHZ(SPEED)

SPEED is the REAL*8 processor speed reported by Linux

DESCRIPTION

This routine copies the processor speed entry from the virtual file /proc/cpuinfo into the real file /tmp/cpuinfo and then reads the speed value from that file.

FILES

/proc/cpuinfo
/tmp/cpuinfo

DIAGNOSTICS

If /tmp/cpuinfo cannot be created, or if the processor speed is not found in /proc/cpuinfo, an error message is written and the program stops with return code 0.

NOTES

The processor speed entry in /tmp/cpuinfo is provided by the operating system and can be varied by some versions of Linux in response to load.

BUGS

This routine fails on machines not running a Linux operating system.

LINKAGE

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

AUTHOR

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EXAMPLE

```
REAL*8 SPEED
CALL GETMHZ(SPEED)
WRITE(6,901) SPEED
901 FORMAT('processor speed is now ',1PE13.6,' MHz')
STOP
END
```

When run on an IBM T43 computer this example produced the following output:

```
unix[1] a.out
processor speed is now 7.980000E+02 MHz
unix[2]
```