**F90\_TO\_F77   
Conversion of FORTRAN90 to FORTRAN77**

**F90\_TO\_F77** is a FORTRAN90 program which assists in the conversion of a FORTRAN90 source code file to the FORTRAN77 format.

Only a few modifications are made; the user will surely have to go into the file and make further modifications by hand. The changes made by the program include:

* Input lines recognized as comments will be output with a first character of "c".
* Noncomment input lines which begin in column 1 or 2 will be indented to start in column 6.
* Other noncomment input lines will be indented 4 extra spaces.
* Noncomment output lines will automatically be broken into segments that are no more than 72 characters long, with excess information continued on the next line.

**Usage:**

**f90\_to\_f77** *input.f90* *output.f*

where

* *input.f90* is the input FORTRAN90 file;
* *output.f* is the output file, which has been converted.

**Licensing:**

The computer code and data files made available on this web page are distributed under [the GNU LGPL license.](https://people.sc.fsu.edu/~jburkardt/txt/gnu_lgpl.txt)

**Languages:**

**F90\_TO\_F77** is available in [a FORTRAN90 version](https://people.sc.fsu.edu/~jburkardt/f_src/f90_to_f77/f90_to_f77.html).

**Related Data and Programs:**

[F77\_TO\_F90](https://people.sc.fsu.edu/~jburkardt/f_src/f77_to_f90/f77_to_f90.html), a FORTRAN90 program which converts a FORTRAN77 file to FORTRAN90 format, by Michael Metcalfe;

**Source Code:**

* [f90\_to\_f77.f90](https://people.sc.fsu.edu/~jburkardt/f_src/f90_to_f77/f90_to_f77.f90), the source code.

**Examples and Tests:**

* [file.f90](https://people.sc.fsu.edu/~jburkardt/f_src/f90_to_f77/file.f90), a sample FORTRAN90 file.
* [file.f](https://people.sc.fsu.edu/~jburkardt/f_src/f90_to_f77/file.f), the resulting FORTRAN77 file.

**List of Routines:**

* **MAIN** is the main program for F90\_TO\_F77.
* **HANDLE** copies an F90 file making an F77 version.
* **GET\_UNIT** returns a free FORTRAN unit number.
* **S\_TAB\_BLANKS** replaces TAB characters by 6 spaces.
* **TIMESTAMP** prints the current YMDHMS date as a time stamp.

You can go up one level to [the FORTRAN90 source codes](https://people.sc.fsu.edu/~jburkardt/f_src/f_src.html).

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**F90\_TO\_F77   
将FORTRAN90转换为FORTRAN77**

**F90\_TO\_F77** 是FORTRAN90程序，它有助于将FORTRAN90源代码文件转换为FORTRAN77格式。

只进行了一些修改; 用户肯定必须进入文件并手动进行进一步修改。该计划所做的更改包括：

* 识别为注释的输入行将以第一个字符“c”输出。
* 从第1列或第2列开始的非注释输入行将缩进以在第6列中开始。
* 其他非注释输入行将缩进4个额外空格。
* 非注释输出行将自动分成长度不超过72个字符的段，并在下一行继续显示过多信息。

**用法：**

**f90\_to\_f77***input.f90 output.f*

哪里

* *input.f90*是输入FORTRAN90文件;
* *output.f*是已转换的输出文件。

**许可：**

此网页上提供的计算机代码和数据文件是在[GNU LGPL许可](https://people.sc.fsu.edu/~jburkardt/txt/gnu_lgpl.txt)下分发 [的。](https://people.sc.fsu.edu/~jburkardt/txt/gnu_lgpl.txt)

**语言：**

**F90\_TO\_F77**在可用 [一个FORTRAN90版本](https://people.sc.fsu.edu/~jburkardt/f_src/f90_to_f77/f90_to_f77.html)。

**相关数据和程序：**

[F77\_TO\_F90](https://people.sc.fsu.edu/~jburkardt/f_src/f77_to_f90/f77_to_f90.html)是一个FORTRAN90程序，由Michael Metcalfe将FORTRAN77文件转换为FORTRAN90格式;

**源代码：**

* [f90\_to\_f77.f90](https://people.sc.fsu.edu/~jburkardt/f_src/f90_to_f77/f90_to_f77.f90)，源代码。

**示例和测试：**

* [file.f90](https://people.sc.fsu.edu/~jburkardt/f_src/f90_to_f77/file.f90)，一个示例FORTRAN90文件。
* [file.f](https://people.sc.fsu.edu/~jburkardt/f_src/f90_to_f77/file.f)，生成的FORTRAN77文件。

**例程列表：**

* **MAIN**是F90\_TO\_F77的主程序。
* **HANDLE**复制F90文件制作F77版本。
* **GET\_UNIT**返回一个免费的FORTRAN单元号。
* **S\_TAB\_BLANKS**将TAB字符替换为6个空格。
* **TIMESTAMP**将当前YMDHMS日期打印为时间戳。

您可以上一级到[FORTRAN90源代码](https://people.sc.fsu.edu/~jburkardt/f_src/f_src.html)。

*最后修订于2013年6月25日。*