

removeFilesFromDir

Remove files from passed directory.

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Syntax

```
removeStatus = removeFilesFromDir(directory)
removeStatus = removeFilesFromDir(directory, filePattern)
```

Description

removeStatus = removeFilesFromDir(directory) removes all files that are located in the passed directory and returns a logical 1 if the operation was successful or 0 if not. The directory argument must be char vector of 1xN and valid path to a existing directory.

removeStatus = removeFilesFromDir(directory, filePattern) removes all files in the located directory which matches the passed file pattern. The filePattern argument must be char vector of 1xN. It is an optional argument with a default value of `*.*`, valid file patterns can be filenames which part replace names by `*` character before the dot and existing file extensions e.g. `myfile_*.m` or `*.txt` and so on.

Examples

```
d = fullfile('rootPath', 'subfolder')
rs = removeFileFromDir(d)
```

```
d = fullfile('rootPath', 'subfolder')
rs = removeFileFromDir(d, '*.mat')
```

Input Arguments

directory char vector, path directory in which to scan for files with file pattern and to delete found files.

filePattern char vector of file pattern with extension. Default is `.` to delete all files. Possible patterns can be e.g. `.m` or `*part_name_*` or `part_name.png`.

Output Arguments

removeStatus logical scalar which is true if all files which matches the file pattern are deleted successfully from passed directory path.

Requirements

- Other m-files required: None
- Subfunctions: None
- MAT-files required: None

See Also

- [fullfile](#)
- [dir](#)
- [delete](#)
- [isfile](#)
- [isempty](#)

- `ismember`
- `mustBeFolder`
- `mustBeText`

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```
function [removeStatus] = removeFilesFromDir(directory, filePattern)
    arguments
        % validate directory
        directory (1,:) char {mustBeFolder}
        % validate filePattern
        filePattern (1,:) char {mustBeText} = '*.*'
    end
    % parse pattern for dir
    parsePattern = fullfile(directory, filePattern);
    % parse directory, returns struct
    filesToRemove = dir(parsePattern);
    % delete files, tranpose to loop through struct
    for file = filesToRemove'
        % check before delete
        filePath = fullfile(file.folder, file.name);
        if isfile(filePath)
            delete(filePath);
        end
    end
    % check if dir returns an empty struct now
    check = dir(parsePattern);
    removeStatus = isempty(check(~ismember({check.name}, {'.', '..'})));
end
```