Sons of Thunder Software
SOFTWARE DEVELOPMENT AND CONSULTING SERVICES

Products   Services   Developer Resources   Contact STS   About STS

l i v e c o d e

---

stsDateMath

<u>Usage</u>

```
stsDateMath(date1,mathOpereation,numberOrDate2,returnFormat)
put stsDateMath("9/26/03","+","4","days")
--> 09/30/03 2:00 AM
put stsGetFileListing("/Users/kenray/MyFolder",".jpg","true")
```

<u>Description</u>

Gets a list of full paths to files. You can format the result using stsFormatFileListing .

- **folderName** is the path to the folder from which you want the listing.

- **filterType** allows you to filter the file(s) that get returned either by passing the eight character type/creator used on Macs, or the file extension (used in OS X, Windows, and Unix). If not provided, filterType is assumed to be "", and will not filter any of the files.

- **isRecursive** determines whether the listing should continue to wend through subfolders untile a complete hierarchical listing is returned. If not provided, isRecursive is assumed to be "false".

- **includeInvisibles** determines whether to return invisible files (those that start with ".") on OS X or Unix. (Under Windows, this parameter is ignored and you get all the files, hidden or not).

<u>Code</u>

Select the code below and copy it to the clipboard, or retrieve it from Scripter's Scrapbook Online.

```
function stsDateMath pDate1,pOperation,pNumberOrDate2,pReturnVal
  set the useSystemDate to true
  convert pDate1 to seconds
  if the result is "invalid date" then return "STSError: Invalid Date"
  if isNumber(pNumberOrDate2) then
    -- adding/subtracting date chunks
    switch pReturnVal
    case "hour"
    case "hours"
    case "hr"
    case "hrs"
      put (pNumberOrDate2 * 60 * 60) into tVal
      break
    case "min"
    case "mins"
    case "minute"
    case "minutes"
      put (pNumberOrDate2 * 60) into tVal
      break
    case "days"
    case "day"
      put (pNumberOrDate2*86400) into tVal
      break
    case "week"
    case "weeks"
      put (pNumberOrDate2*86400*7) into tVal
      break
    end switch
    do "put (" & pDate1 && pOperation && tVal & ") into tRetVal"
    convert tRetVal to short date and short time
  else
    convert pNumberOrDate2 to seconds
    if the result is "invalid date" then return "STSError: Invalid Date"
    do "put (" & pDate1 && pOperation && pNumberOrDate2 & ") into tRetVal"
    if pOperation = "-" then
      switch pReturnVal
      case "min"
      case "mins"
      case "minute"
      case "minutes"
        return (tRetVal/60)
        break
      case "days"
      case "day"
```

```
        return (tRetVal/86400)
        break
      case "week"
      case "weeks"
        return ((tRetVal/86400)/7)
        break
      case "weeks,days"
        put trunc((tRetVal/86400)/7) into tWeeks
        put ((tRetVal-(tWeeks*7*86400))/86400) into tDays
        return tWeeks,tDays
        break
      end switch
    end if
  end if
  return tRetVal
end stsDateMath
```

🖨 Print this code entry

News and Rumors   Products   Services   Developer Resources   Contact STS   About STS