

```

// Windows: Execute a batch file and leave the command window open
ExecuteScriptText "cmd.exe /K \"C:\\mybatch.bat\""

// Windows: Execute a DOS command and get output, if any
// ExecuteDOSCommand(command, maxSecondsToWait)
// Executes a DOS command and returns any output text as the function result.
// Returns "" if the DOS command returns no text.
// maxSecondsToWait is the maximum number of seconds to wait for DOS to finish
// the command. If it takes longer than that, an error is generated.
// This function creates files in the Igor Pro User Folder:
//     IgorBatch.bat      Holds command that DOS is to execute
//     IgorBatchOutput.txt    Holds output generated by DOS command, if any
// Example:
//     Print ExecuteDOSCommand("echo %PATH%", 3)
Function/S ExecuteDOSCommand(command, maxSecondsToWait)
    String command           // e.g., "echo %PATH%"
    Variable maxSecondsToWait          // Error if DOS takes longer than this

    String quoteStr = "\\""

    // Get path to batch file in "Igor Pro User Files"
    String dirPath = SpecialDirPath("Igor Pro User Files", 0, 0, 0)
    dirPath = ParseFilePath(5, dirPath, "\\", 0, 0) // Convert to Windows path
    String batchFilePath = dirPath + "IgorBatch.bat"
    String batchOutputFilePath = dirPath + "IgorBatchOutput.txt"

    DeleteFile/Z batchOutputFilePath

    // Write DOS command to batch file
    String dosCommand = command + " > " + quoteStr + batchOutputFilePath + quoteStr
    Variable refNum
    Open refNum as batchFilePath
    FBinWrite refNum, dosCommand
    Close refNum

    // Execute batch file
    // The DOS command must complete in the number of seconds specified via /W
    // /C means cmd.exe quits after executing the command
    String text
    sprintf text, "cmd.exe /C \"%s\\\"", batchFilePath
    ExecuteScriptText/W=(maxSecondsToWait) text

    // Get output
    String result = ""
    Open/R/Z refNum as batchOutputFilePath
    if (V_flag != 0)
        result = ""
        // result = "<No output was generated by batch file>" // For debugging
    else
        // Read contents of batch file into string
        FStatus refNum
        Variable numBytesInFile = V_logEOF
        result = PadString("", numBytesInFile, 0x20)
        FBinRead refNum, result
        Close refNum
    endif

    return result
End

```

See Also

See [AppleScript](#) on page IV-263.

exists**exists (*objNameStr*)**

The exists function returns a number which indicates if *objNameStr* contains the name of an Igor object, function or operation.

Details

objNameStr can optionally include a full or partial path to the object. If the name does not include a path, exists checks for waves, strings and variables in the current data folder.