

ReplaceStringByKey

See Also

ReplaceStringByKey, CmpStr, StringMatch, strsearch, TrimString, ReplaceString

ReplaceStringByKey

ReplaceStringByKey(*keyStr*, *kwListStr*, *newTextStr* [, *keySepStr* [, *listSepStr* [, *matchCase*]]])

The ReplaceStringByKey function returns *kwListStr* after replacing the text value of the keyword-value pair specified by *keyStr*. *kwListStr* should contain keyword-value pairs such as "KEY=value1,KEY2=value2" or "Key:value1;KEY2:value2", depending on the values for *keySepStr* and *listSepStr*.

Use ReplaceStringByKey to add or modify text information in a string containing a "key1:value1;key2:value2;" style list such as those returned by functions like **AxisInfo** or **TraceInfo**.

If *keyStr* is not found in *kwListStr*, then the key and the value are appended to the end of the returned string.

keySepStr, *listSepStr*, and *matchCase* are optional; their defaults are ":", ";", and 0 respectively.

Details

The actual string appended is:

[*listSepStr*] *keyStr* *keySepStr* *newTextStr* *listSepStr*

The optional leading list separator *listSepStr* is added only if *kwListStr* does not already end with a list separator.

kwListStr is searched for an instance of the key string bound by a ";" on the left and a ":" on the right. The text up to the next ";" is replaced by *newTextStr*.

If *newTextStr* is "", any existing value is deleted, but the key, the key separator, and the list separator are retained. To remove a keyword-value pair, use the **RemoveByKey** function.

kwListStr is treated as if it ends with a *listSepStr* even if it doesn't.

Searches for *keySepStr* and *listSepStr* are always case-sensitive. Searches for *keyStr* in *kwListStr* are case-insensitive. Setting the optional *matchCase* parameter to 1 makes the comparisons case-sensitive.

In Igor6, only the first byte of *keySepStr* and *listSepStr* was used. In Igor7 and later, all bytes are used.

If *listSepStr* is specified, then *keySepStr* must also be specified. If *matchCase* is specified, *keySepStr* and *listSepStr* must be specified.

Examples

```
Print ReplaceStringByKey("KY", "KY:a;KZ:c", "b")           // prints "KY:b;KZ:c"
Print ReplaceStringByKey("KY", "ky=a;", "b", "=")         // prints "ky=b;"
Print ReplaceStringByKey("KY", "KY:a,", "b", ":", ",")     // prints "KY:b,"
Print ReplaceStringByKey("ky", "ZZ:a,", "b", ":", ",")     // prints "ZZ:a,ky:b,"
Print ReplaceStringByKey("kz", "KZ:a,", "b", ":", ",")     // prints "KZ:b,"
Print ReplaceStringByKey("kz", "KZ:a,", "b", ":", ",", 1) // prints "KZ:a,kz:b,"
```

See Also

The **ReplaceString**, **ReplaceNumberByKey**, **NumberByKey**, **StringByKey**, **ItemsInList**, **RemoveByKey**, **AxisInfo**, **IgorInfo**, **SetWindow**, and **TraceInfo** functions.