

ShortRunArray>>#restoreEndianness

Packages:	Classes:	Instance protocols:	Instance protocols:
_UnpackagedPackag - Announcements - Announcements-Core - Announcements-Help - Announcements-Test - Announcements-View - Balloon - Balloon-Collections - Balloon-Collections-T	- PointArray - ShortIntegerArray - ShortPointArray - ShortRunArray - TPointAccess	--- all --- - accessing - enumerating - objects from disk - printing - private	- restoreEndianness - runSize - runsAndValuesDo: - setRunAt:toLength:va - setRuns:values: - size - species - swapRuns - valueAtRun: - valuesCollect: - valuesDo:

Hierarchy Groups Class Comments

restoreEndianness

"This word object was just read from a stream. It was stored in Big Endian (Mac) format. Swap each pair of bytes (16-bit word), if the current machine is Little Endian.

Why is this the right thing to do? We are using memory as a byteStream. High and low bytes are reversed in each 16-bit word, but the stream of words ascends through memory. Different from a Bitmap."

```
| w b1 b2 b3 b4 |
Smalltalk isLittleEndian ifTrue: [
  1 to: self basicSize do: [i |
    w := self basicAt: i.
    b1 := w digitAt: 1.
    b2 := w digitAt: 2.
    b3 := w digitAt: 3.
```