

Translate logical addresses to physical ones

```
#include <Memory.h>
```

Memory Manager

Debugger Support Under Virtual Memory

<u>OSErr</u>	GetPhysical (<i>addresses</i> , <i>physicalEntryCount</i>);	
<u>LogicalToPhysicalTable</u>	<i>*addresses</i>	is a translation table
<u>unsigned long</u>	<i>*physicalEntryCount</i>	specifies the number of physical entries
	returns	<u>Error Code</u> ; 0=no error

The **GetPhysical** function translates logical addresses into their corresponding physical addresses.

addresses is a translation table, that is, an array of ordered pairs (address and count).

physicalEntryCount specifies the number of physical entries to translate.

Returns: an operating system Error Code.

noErr	(0)	No error
paramErr	(-50)	Error in parameter list
notLockedErr	(-623)	Specified range of memory is not locked
interruptsMaskedErr	(-624)	Called with interrupts masked

Notes: **GetPhysical** translates up to the size of the table or until the translation is completed, whichever comes first. If **GetPhysical** is called with a table size of 0, the number of table entries needed to translate the entire address range is returned. On exit from this function, the virtual information is updated to indicate the next virtual address and the number of bytes left to translate. The logical address range must be locked to ensure validity of the translation data.