

```
unsigned long int wcstoul(  
    const wchar_t * restrict nptr,  
    wchar_t ** restrict endptr,  
    int base);  
unsigned long long int wcstoull(  
    const wchar_t * restrict nptr,  
    wchar_t ** restrict endptr,  
    int base);
```

The functions in this group are wide-character versions of the numeric conversion functions found in <stdlib.h> and described in Section 26.2. The <wchar.h> functions have arguments of type `wchar_t *` and `wchar_t **` instead of `char *` and `char **`, but their behavior is mostly the same as the <stdlib.h> functions. Table 25.13 shows the correspondence between the <stdlib.h> functions and their wide-character counterparts.

Table 25.13
Wide-String Numeric
Conversion Functions and
Their <stdlib.h>
Equivalents

<i><wchar.h> Function</i>	<i><stdlib.h> Equivalent</i>
<code>wcstod</code>	<code>strtod</code>
<code>wcstof</code>	<code>strtof</code>
<code>wcstold</code>	<code>strtold</code>
<code>wcstol</code>	<code>strtol</code>
<code>wcstoll</code>	<code>strtoll</code>
<code>wcstoul</code>	<code>strtoul</code>
<code>wcstoull</code>	<code>strtoull</code>

Wide-String Copying Functions

```
wchar_t *wcscpy(wchar_t * restrict s1,  
    const wchar_t * restrict s2);  
wchar_t *wcsncpy(wchar_t * restrict s1,  
    const wchar_t * restrict s2,  
    size_t n);  
wchar_t *wmemcpy(wchar_t * restrict s1,  
    const wchar_t * restrict s2,  
    size_t n);  
wchar_t *wmemmove(wchar_t *s1, const wchar_t *s2,  
    size_t n);
```

The functions in this group are wide-character versions of the string copying functions found in <string.h> and described in Section 23.6. The <wchar.h> functions have arguments of type `wchar_t *` instead of `char *`, but their behavior is mostly the same as the <string.h> functions. Table 25.14 shows the correspondence between the <string.h> functions and their wide-character counterparts.