

Spectre Circuit Simulator Reference

Spectre Syntax

<code>\$str("format_string" < ,arg1 < ,arg2 < ..etc> > >)</code>	Create a string from arguments in given format.
<code>\$strcmp(str1, str2)</code>	Compares two strings lexicographically.
<code>\$strtoint(int_as_str)</code>	Converts a string, int_as_str, to an integer.
<code>\$strtoreal(real_as_str)</code>	Converts a string, real_as_str, to a real.
<code>\$strcpy(des_str, src_str)</code>	Copies src_str to des_src.
<code>\$strcat(des_str, src_str)</code>	Appends src_str to des_src.
<code>\$strlen(str)</code>	Returns the number of characters in str.
<code>\$substr(input_str, start_pos, end_pos)</code>	Returns the substring of input_str between start_pos and end_pos.
<code>\$strstr(input_str, sub_str)</code>	Returns the first position where sub_str is found in input_str.
<code>\$strchr(input_str, character)</code>	Returns the first position where character is found in input_str.
<code>\$strrchr(input_str, character)</code>	Returns the last position where character is found in input_str.
<code>\$strspn(input_str, span_set)</code>	Returns the number of continuous characters from the start of input_str that are in span_set.
<code>\$strcspn(input_str, span_set)</code>	Returns the number of continuous characters from the start of input_str that are not in span_set.
<code>\$ascii(character)</code>	Returns the ascii code of character.

Simulator Environment Functions

<code>\$time()</code>	Returns current simulation time.
<code>\$temp()</code>	Returns ambient simulation temperature.