```
ankdesh@BOOK-B118M2JVJ3: X
ankdesh@BOOK-B118M2JVJ3:~/explore/sky130CircuitDesignWorkshop/design/sky130_fd_pr/cells$ pwd
/home/ankdesh/explore/sky130CircuitDesignWorkshop/design/sky130_fd_pr/cells
ankdesh@BOOK-B1I8M2JVJ3:~/explore/sky130CircuitDesignWorkshop/design/sky130_fd_pr/cells$ ls
nfet_01v8 pfet_01v8) The two calls continue in workshop/design/sky130_fd_pr/cells$ cd nfet_01v8/
ankdesh@BOOK-B1I8M2JVJ3:~/explore/sky130CircuitDesignWorkshop/design/sky130_fd_pr/cells$ cd nfet_01v8/
ankdesh@BOOK-B118M2JVJ3:~/explore/sky130CircuitDesignWorkshop/design/sky130_fd_pr/cells/nfet_01v8$ ls
                                                           sky130_fd_pr__nfet_01v8__sf.corner.spice
sky130_fd_pr__nfet_01v8__sf.pm3.spice
sky130_fd_pr__nfet_01v8.pm3.spice
sky130_fd_pr__nfet_01v8__ff.corner.spice
sky130_fd_pr__nfet_01v8__ff.pm3.spice
                                                           sky130_fd_pr__nfet_01v8__ss.corner.spice
sky130_fd_pr__nfet_01v8__fs.corner.spice
                                                           sky130_fd_pr__nfet_01v8__ss.pm3.spice
sky130_fd_pr__nfet_01v8__fs.pm3.spice
sky130_fd_pr__nfet_01v8__mismatch.corner.spice
                                                           sky130_fd_pr__nfet_01v8__tt.corner.spice
sky130_fd_pr__nfet_01v8__tt.pm3.spice
ankdesh@BOOK-B118M2JVJ3:~/explore/sky130CircuitDesignWorkshop/design/sky130_fd_pr/cells/nfet
  🖾 ankdesh@BOOK-B1I8M2JVJ3: 🗡
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  WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
  See the License for the specific language governing permissions and
  limitations under the License.
                                                                                Sparific W, L
   SKY130 Spice File.
  Number of bins: 63
 .param
   sky130_fd_pr_nfet_01v8_toxe_mult = 1.0
  sky130_fd_pr__nfet_01v8__rshn_mult = 1.0
sky130_fd_pr__nfet_01v8__overlap_mult = 0.9642
sky130_fd_pr__nfet_01v8__lint_diff = 0.0
   sky130_fd_pr__nfet_01v8__wint_diff = 0.0
   sky130_fd_pr__nfet_01v8__dlc_diff = -.61492e-9
   sky130_fd_pr__nfet_01v8__dwc_diff = 0.0
   sky130_fd_pr__nfet_01v8, Bin 000, W = 1.26, L = 0.15
   sky130_fd_pr__nfet_01v8__voff_diff\angle0) = 0.0
                                                                      sky130_fd_pr__nfet_01v8__kt1_diff_0 = 0.0
sky130_fd_pr__nfet_01v8__ub_diff_0 = -1.16
sky130_fd_pr__nfet_01v8__pditsd_diff_0 = 0.0
  sky130_fd_pr__nfet_01v8__ua_diff_0 = 1.3
   sky130_fd_pr__nfet_01v8__vsat_diff_0 = 594
   sky130_fd_pr_nfet_01v8_tvoff_diff_0 = 0.0
  sky130_fd_pr__nfet_01v8__ags_diff_0 = 0.0
sky130_fd_pr__nfet_01v8__a0_diff_0 = 0.0
   sky130_fd_pr__nfet_01v8__b0_diff_0 = 0.0
   sky130_fd_pr__nfet_01v8__pclm_diff_0 = 0.0
  sky130_fd_pr__nfet_01v8__pdits_diff_0 = 0.0
sky130_fd_pr__nfet_01v8__keta_diff_0 = 0.0
sky130_fd_pr__nfet_01v8__rdsw_diff_0 = 0.0
  sky130_fd_pr__nfet_01v8__k2_diff_0 = 0.0031843
sky130_fd_pr__nfet_01v8__vth0_diff_0 = -0.024441
   sky130_fd_pr_nfet_01v8_nfactor_diff_0 = 0.37668
  sky130_fd_pr__nfet_01v8__u0_diff_0 = -0.003
sky130_fd_pr__nfet_01v8__eta0_diff_0 = 0.0
  sky130_fd_pr_nfet_01v8_b1_diff_0 = 0.0
   sky130_fd_pr__nfet_01v8, Bin 001, W = 1.6%, L = 0.15
   sky130_fd_pr__nfet_01v8__eta0_diff_1) = 0.0
  sky130_fd_pr__nfet_01v8__b1_diff_1 \neq
  sky130_fd_pr__nfet_01v8__voff_diff_1 = 0.0
  sky130_fd_pr__nfet_01v8__kt1_diff_1 = 0.0
  sky130\_fd\_pr\_\_nfet\_01v8\_\_ub\_diff\_1 = -1.69790\\ sky130\_fd\_pr\_\_nfet\_01v8\_\_pditsd\_diff\_1 = 0.0\\
   sky130_fd_pr__nfet_01v8__ua_diff_1 = 1.0381e-11
   sky130_fd_pr__nfet_01v8__vsat_diff_1 = 249
"sky130_fd_pr__nfet_01v8__tt.corner.spice" 1474 lines --3%--
                                                                                                          53,1
                                                                                                                            0%
                                                        Defines a sperific Corner
***** SkyWater sky130 model library ******
 Typical corner (tt)
lib tt
 MOSFET
.include "../cells/nfet_01v8/sky130_fd_pr_/nfet_01v8__tt.corner.spice"
.include "../cells/pfet_01v8/sky130_fd_pr pfet_01v8__tt.corner.spice"
* Mismatch parameters
.include "../cells/nfet_01v8/sky130_fd_pr__nfet_01v8__mismatch.corner.spice"
.include "../cells/pfet_01v8/sky130_fd_pr__pfet_01v8__mismatch.corner.spice"
All models
include "all.spice"
.endl
 Slow-Fast corner (sf)
.lib sf
MOSFET
.include "../cells/nfet_01v8/sky130_fd_pr__nfet_01v8__sf.corner.spice"
.include "../cells/pfet_01v8/sky130_fd_pr__pfet_01v8__sf.corner.spice"
Mismatch parameters
```

.include "../cells/nfet_01v8/sky130_fd_pr__nfet_01v8__mismatch.corner.spice" .include "../cells/pfet_01v8/sky130_fd_pr__pfet_01v8__mismatch.corner.spice"

library file

include "../cells/nfet_01v8/sky130_fd_pr__nfet_01v8__ff.corner.spice"

★ All models

endl

.lib ff * MOSFET

include "all.spice"

Fast-Fast corner (ff)

