For Inverter

1. **Input pin capacitances:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Input Pins** | **Rise Cap (pF)** | **Fall Cap (pF)** | **Average Cap (pF)** |
| A | .09488283 | .007360661 | 0.0511217455 |

1. **Transition Time Table:**

**(i) Output Rise Transitions** **(in ns)** [Input slew vs output capacitance].

**Related pin A**: (i.e., other input pins are held constant)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **10 ps** | **100 ps** | **1000 ps** |
| **0.5 fF** | .1067662 | .1067662 | .1067662 |
| **10 fF** | .06260459 | 0.06260459 | 0.06260459 |
| **100 fF** | .5546014 | .5546014 | .5546014 |

**(ii) Output Fall Transitions** **(in ns)** [Input slew vs output capacitance].

**Related pin A**: (i.e., other input pins are held constant)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **10 ps** | **100 ps** | **1000 ps** |
| **0.5 fF** | .1185748 | .1934147 | .7942237 |
| **10 fF** | .07189020 | .07189048 | .1736019 |
| **100 fF** | .6408299 | .6408298 | .6474727 |

1. **Propagation delay time tables**:

**(i) Cell Rise Delay (in ns)** [Input slew vs output capacitance].

**Related pin A**: (i.e., other input pins are held constant)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **10 ps** | **100 ps** | **1000 ps** |
| **0.5 fF** | 0.4030068 | 0.4075068 | 0.4525068 |
| **10 fF** | 0.4066264 | 0.4111264 | 0.4561264 |
| **100 fF** | 0.4401288 | 0.4446288 | 0.4896288 |

**(ii) Cell Fall Delay (in ns)** [Input slew vs output capacitance].

**Related pin A**: (i.e., other input pins are held constant)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **10 ps** | **100 ps** | **1000 ps** |
| **0.5 fF** | -0.33997408 | -0.4026915 | -0.4436942 |
| **10 fF** | -0.3950270 | -0.3976022 | -0.4296290 |
| **100 fF** | -0.3514530 | -0.3539214 | -0.3783646 |

1. **Static Power**

|  |  |
| --- | --- |
| **Condition A** | **Power (nW)** |
| 0 | .0033 |
| 1 | .147 |

1. **Dynamic Power Table:**

**(i) Rise Power (in nW)** [Input slew vs output capacitance].

**Related pin A**: (i.e., other input pins are held constant)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **10 ps** | **100 ps** | **1000 ps** |
| **0.5 fF** | .03322 | 0.229164 | .0107 |
| **10 fF** | 0.19377 | 0.100804 | .01073 |
| **100 fF** | 0.29400 | 0.3061 | .03165 |

**(ii) Fall Power (in nW)** [Input slew vs output capacitance].

**Related pin A**: (i.e., other input pins are held constant)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **10 ps** | **100 ps** | **1000 ps** |
| **0.5 fF** | .3693 | 0.45901 | .10282 |
| **10 fF** | 0.15069 | 0.3086 | .00427 |
| **100 fF** | 0.16157 | 0.62994 | 0.3867 |