Race conditions

[intro]

A race condition occurs if the different outputs occur with same inputs. It is always caused by the time of data non-concurrency.

Race conditions are the bane of concurrency. It can cause damage to people when it occurs on equipment with real-time responses.

[E.g.]

SK Flip-Flop

[famous]

Therac-25 radiations incident

[Therac-25 - Wikipedia](https://en.wikipedia.org/wiki/Therac-25)