

Possible situations of a single constraint within a joint motion profile

1

$$v_1 > v_2 > v_0$$



2

$$v_1 > v_0 > v_2$$



3

$$v_2 > v_1 > v_0$$



4

$$v_0 > v_2 > v_1$$



Must not occur!
Violation of constraint!

5

$$v_2 > v_0 > v_1$$



Must not occur!
Violation of constraint!

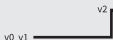
6

$$v_0 > v_1 > v_2$$



7

$$v_0 = v_1 < v_2$$



8

$$v_0 = v_1 > v_2$$

