

Table 2

Derivative term calculated.

Sample	Desired	Actual	Error Sum	$d(err)/dt$	Output
1	100	0	100	100	0
2	100	20	80	180	- 20
3	100	40	60	240	- 20
4	100	60	40	280	- 20
5	100	80	20	300	- 20
6	100	100	0	300	- 20
7	100	120	- 20	280	- 20
8	100	130	- 30	250	- 20
9	100	120	- 20	230	10
10	100	110	- 10	220	10
11	100	105	- 5	215	5
12	100	105	- 5	210	0
13	100	103	- 3	207	2