

Tabelle1

B(0)	15
k	0,3
$\Delta t$	1

$$m1 = k * B(t)$$

$$m2 = k * (B(t) + m1 * \Delta t / 2)$$

$$m3 = k * (B(t) + m2 * \Delta t / 2)$$

$$m4 = k * (B(t) + m3 * \Delta t)$$

$$B'(t) = k * B(t)$$

t	B	m 1	m 2	m 3	m 4	m
0	15	4,5	5,175	5,27625	6,082875	5,247563
1	20,24756	6,074269	6,985409	7,12208	8,210893	7,083357
2	27,33092	8,199276	9,429167	9,613651	11,08337	9,56138
3	36,8923	11,06769	12,72784	12,97687	14,96075	12,90631
4	49,79861	14,93958	17,18052	17,51666	20,19458	17,42142
5	67,22003	20,16601	23,19091	23,64465	27,2594	23,51609
6	90,73612	27,22084	31,30396	31,91643	36,79576	31,7429
7	122,479	36,7437	42,25526	43,08199	49,6683	42,84775
8	165,3268	49,59803	57,03773	58,15369	67,04414	57,8375
9	223,1643	66,94928	76,99167	78,49803	90,49869	78,07123
10	301,2355	90,37065	103,9262	105,9596	122,1585	105,3835

B (Analysis)
15
20,247882
27,331782
36,894047
49,801754
67,225336
90,744712
122,49255
165,34765
223,19598
301,28305