Kalman Filter, Exercise 2

	A	B	C	D	E	F	G	H	I
	t (s)	x_b	z_b	i	j	x	z	u	w
2	0	23.4	0	1034	502	23.4	0	-18	12
3	0.1			977	459				
4	0.2			920	424				
5	0.3			867	387				
6	0.4			815	357				
7	0.5			765	335				
8	0.6			717	314				
9	0.7			670	296				
10	0.8			623	285				
11	0.9			579	275				
12	1			538	271				
13	1.1			495	268				
14	1.2			455	273				
15	1.3			414	280				
16	1.4			375	291				
17	1.5			338	313				
18	1.6			301	328				
19	1.7			266	351				
20	1.8			232	378				
21	1.9			199	408				
22	2			164	440				

Row 3 annotations:

$x_b = x_{t-1} + u_{t-1}\Delta t$ $z_b = z_{t-1} + w_{t-1}\Delta t - 0.5g\Delta t^2$ Analysis   Diagnostic winds

	C	D
26	g	9.80665
27	a	44.2
28	k	5.00E+02
29	b	0.01
30	r	9
31	ab/(a2b+r)	0.01548899

Tabelle1

Ready