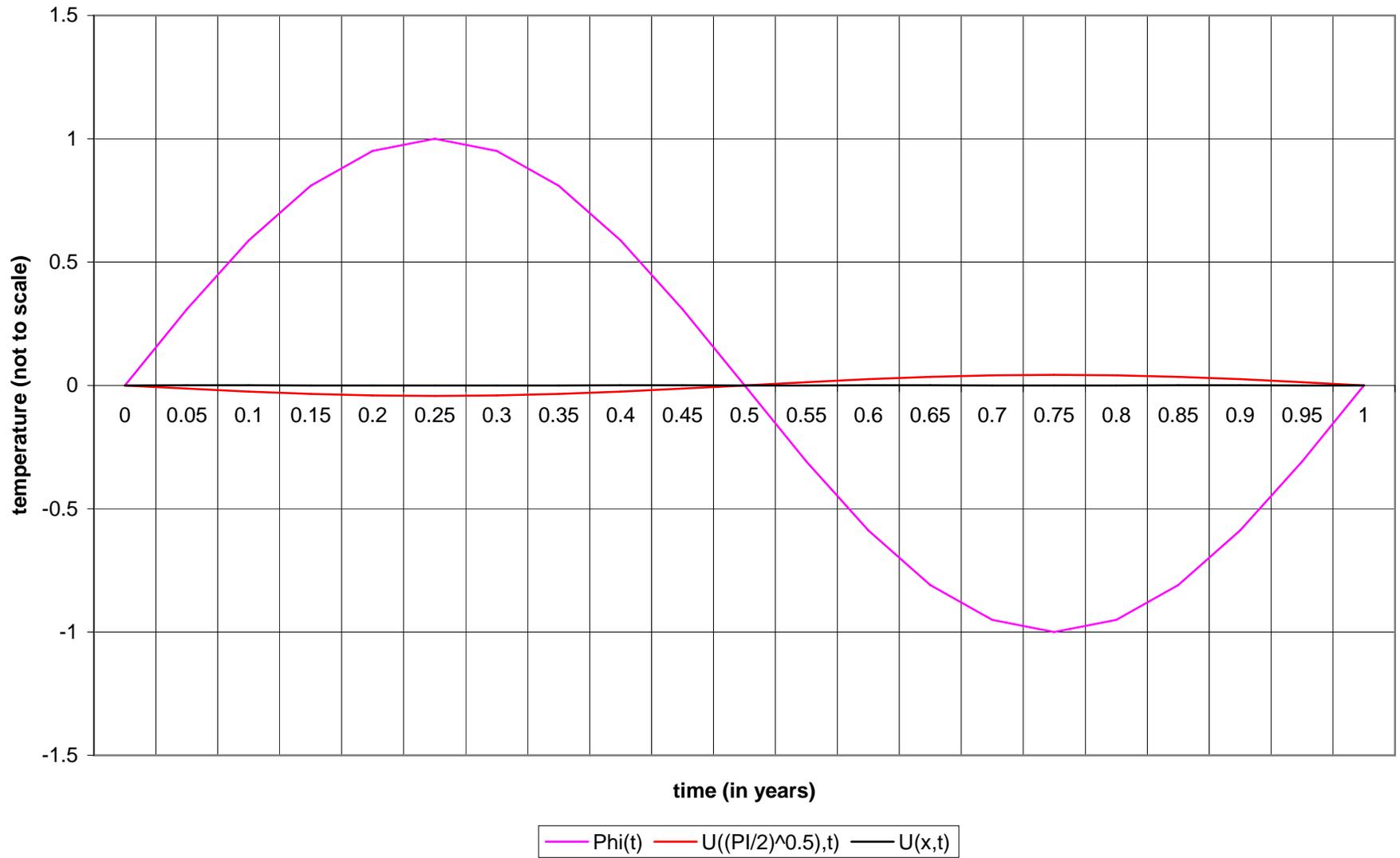


Vegetable Cellar



optimal value for these functions to show desired fluctuations is $(\pi/2)^{0.5}$
play with this value to get an idea of the fluctuations of temp. compared to depth

1.25331414

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time	phi(t)	U(x,t)		
0	0	-2.44852E-17	-6.48924E-15	
0.05	0.309017	-0.013353835	4.91262E-15	
0.1	0.587785	-0.025400504	4.08695E-15	
0.15	0.809017	-0.034960794	-4.91262E-15	
0.2	0.951057	-0.041098879	-7.01657E-15	
0.25	1	-0.043213918	-6.48924E-15	
0.3	0.951057	-0.041098879	-7.01657E-15	
0.35	0.809017	-0.034960794	-4.91262E-15	
0.4	0.587785	-0.025400504	4.08695E-15	
0.45	0.309017	-0.013353835	4.91262E-15	
0.5	5.67E-16	0	-6.48924E-15	
0.55	-0.309017	0.013353835	-2.09552E-16	
0.6	-0.587785	0.025400504	6.96684E-15	
0.65	-0.809017	0.034960794	2.09552E-16	
0.7	-0.951057	0.041098879	-5.35304E-15	
0.75	-1	0.043213918	-6.48924E-15	
0.8	-0.951057	0.041098879	-5.35304E-15	
0.85	-0.809017	0.034960794	2.09552E-16	
0.9	-0.587785	0.025400504	6.96684E-15	
0.95	-0.309017	0.013353835	-2.09552E-16	
1	1.53E-15	-9.06598E-17	-6.48924E-15	