## **Theoretical Competition**

3 May 2011

Student Code

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isr	ael	2011	

ALC:	STATE OF STREET	AND DESCRIPTION OF THE PARTY.	nber 2
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## **Theoretical Question 2: Creaking Door**

## **ANSWER FORM**

a1.	$T_0 =$		
	A =		
a2.	Graph	of the spring's elongation $x(t)$ :	
b.	Graph	of the velocity $v(t)$ with respect to the floor:	

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c.	$\bar{x} =$	
d.	T =	
e.	$u_c =$	
f.	κ =	

Value of Ω:		