## CORRECTION



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# **Correction to: ANN-aided stiffness characterization of thin membranes using droplet motion**

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Correction to: Acta Mech https://doi.org/10.1007/s00707-023-03755-4

In the original publication, the images in the online version as seen on the website are correct; however, when the PDF of the same is downloaded, in the PDF version the images are incomplete or distorted. The incorrect figures have been corrected in this erratum as follows:

1. **Figure 1** Is incomplete in the PDF version of the paper. The incorrect figure and correct figure are attached below for your reference

Incomplete figure in the PDF version

The original article can be found online at https://doi.org/10.1007/s00707-023-03755-4.

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2. Figure 3 In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure are attached below for your reference Incorrect Figure



3. **Figure 4** In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure are attached below for your reference **Incorrect figure** 



**Corrected Figure** 



4. **Figure 5** In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure are attached below for your reference **Incorrect Figure** 





#### **Corrected figure**

 Figure 7 In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure are attached below for your reference. Incorrect Figure



**Figure 8** In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure areattached below for your reference **Incorrect Figure** 

Light Source	PDMS membrane over inclined platform			C	omputer					
Gran and a set of the set of th		(um	14 12 10	<b>3367 94</b> -4-52 77 77 4-10	Experimen Numerical	tal				
		Displacement (	8 6 4 2 0							
(c)		(d)		0.01	0.02	0.03 Time	0.04 (sec)	0.05	0.06	



7. **Figure 9** In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure are attached below for your reference **Incorrect Figure** 

1600 Inputation 1000 Parameters	1000 1400 1400 1400 1400 1400 1400 1400 1400	Output Validation Parameter
Droplet Volume	B1 1200 B1 800 B2 600	Young's coo
Droplet Displacement (x)		PDMS membrane
Membrane Deflection ( $\Delta Y$ )		
Membrane thickness (t)	B9 I	     

## **Corrected figure**



8. **Figure 10** In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure are attached below for your reference

## **Incorrect Figure**



#### **Corrected Figure**



9. Figure 11 In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure are attached below for your reference **Incorrect Figure** 



#### **Corrected Figure**



10. **Figure 13** In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure are attached below for your reference **Incorrect Figure** 



**Corrected Figure** 



11. **Figure 14** In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure are attached below for your reference **Incorrect Figure** 



#### **Corrected Figure**



12. Figure 15 In the PDF version of the paper is incorrect and is required to be replaced with the correct figure. The incorrect figure and correct figure are attached below for your reference **Incorrect Figure** 



### **Corrected Figure**



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