



**Fig. 3.** Example of a high-frequency natural mode: vibrations of the substrate and nanotubes.

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See:  
[http://www.flogen.org/sips2015/cv.php?page=1&p=Nikita\\_Morozov&e=morozov@nm1016.spb.edu&pi=236](http://www.flogen.org/sips2015/cv.php?page=1&p=Nikita_Morozov&e=morozov@nm1016.spb.edu&pi=236)  
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**Biography:**

EDUCATION Undergraduate Degree Leningrad (St.-Petersburg) State University, USSR Mathematics & Mechanics Faculty (1949-1954) Post-Graduate Studies Leningrad (St.-Petersburg) State University (1954-1957) Cand. of Science (Ph.D.) in Physics and Mathematics Leningrad (St.-Petersburg) State University (1958) Doct. of Science in Physics and Mathematics Leningrad (St.-Petersburg) State University (1967) 8. GENERAL SUBJECTS OF PUBLICATIONS: Non-Linear Mechanics of Solids Theory of Elasticity Integral Equations Fracture Mechanics Dynamic Failure 9. PRESENT ACADEMIC POSITION Professor, Head of Department, Academician of the Russian Academy of Science 10. WORK EXPERIENCE 1958-1971: St.-Petersburg Technological Institute of Pipe and Pulpe Associate Professor, Professor, Head of Mathematics Department Teaching and Research Work 1971-Present: St.-Petersburg State University Professor, Head of Elasticity Department Teaching and Research Work 11. SOME OF THE PUBLICATIONS MONOGRAPHS: N.F.Morozov. Selected problems of the two-dimensional elasticity theory. // Leningrad University. 1978 (in Russian) N.F.Morozov. Mathematical issues of the cracks theory. // Nauka. 1984 (in Russian) S.Mikhlin, N.Morozov, M.Paukshto. Integral Equations of the Theory of Elasticity. // Petrozavodsk. 1994 (in Russian) S.Mikhlin, N.Morozov, M.Paukshto. Integral Equations of the Theory of Elasticity. // Teubner Publishaus. 1995 (in English) N.Morozov, M.Paukshto. Discrete and Hybrid Models of Fracture Mechanics. // St.-Petersburg. 1995 (in Russian) N.Morozov, Y.Petrov. Problems of dynamic fracture in solids. // St.-Petersburg. 1996 (in

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### **Selected Publications:**

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