

Abstract Submitted  
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**Theory of Superstrings and Escher's Graphics** IVONA MARIC,  
ALLA ZILICHIKHIS — Sometimes art and literature are more wise and ahead  
in the exploration of the Universe than science is. One reason we think this is that  
emotions are obviously much more involved in art and literature than in science.  
Because of this, we are capable of and should show in teaching relationships be-  
tween art, literature and science. By the proposed way of teaching we can even  
present very advanced topics to our students on all levels. Long (more than 40  
years) and successful teaching in physics experience of one of us at many different  
schools and countries, supports ideas of activating and mobilizing intellectual abili-  
ties in students. In this article we present a lecture called “Theory of Superstrings  
and Escher's Graphics” that is an example of such ideas in teaching. This lecture is  
delivered by us to students from middle school up to university level [1,2].

- [1] “A Century of Physics” American Physical Society 11 posters. Credits are also  
listed on the web at [www.aps.org/credits/](http://www.aps.org/credits/)  
[2] Alla L. Zilichikhis, “My Key to Success in Teaching” in Proceedings of AAPT  
Meetings Ohio Section, October 1998, V. 16, N.1

Ivona Maric

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