

1106-81-2181      **Mina Aganagic\***, mina@math.berkeley.edu. *String Theory and Math: Why This Marriage May Last*. Preliminary report.

The relationship of mathematics and physics has a very long history. From time to time, the fields developed together, only to drift apart. With string theory, the nature of the relationship has changed, perhaps forever. In this talk, I will try to explain why, and illustrate it through examples. (Received September 16, 2014)