



Contest – open to all

You are invited to submit entries to a mathematical essay contest.

**Background:**

This year's Spring Festival (Chinese New Year) begins January 28, 2017. It will be the Year of the Rooster.

In recognition and celebration of the new year, the theme for this contest is **mathematics of the I Ching hexagrams, and the Yin Yang symbol.**

**Expectations:**

- Your derivation and explanation of mathematical properties of the I Ching hexagrams and the yin yang symbol, e.g., symmetries, dualities
- Properties of generalizations or variations of these objects
- Perhaps discussion of mathematically similar constructions, e.g., Braille, spirals.

**Some Details:**

Form of entry – this may be in the style of mathematical exposition (*Cf. MAA's Math Magazine*), or in an alternative creative format of your choice (other literary form, electronic presentation, computer program or app, visual art, performance art, engineering).

Grand prize – impressive certificate worthy of posting on your refrigerator door, plus a Loyola coffee mug. There may be several winners.

Deadline: February 11 (Lantern Festival).

Please include a sentence or two describing your mathematical background, e.g., "Mrs. Morton's 6<sup>th</sup> grade math class," or "professor of mathematics," ... . Submissions by a group are welcome.

Send submissions to Professor Steven Jordan [sjorda2@luc.edu](mailto:sjorda2@luc.edu), or contact me for arrangements.

Regards,

Steven Jordan