Journal of Humanistic Mathematics

Special Issue Call for Papers: Creativity in Mathematics

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Creativity in Mathematics

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The Journal of Humanistic Mathematics (http://scholarship.claremont.edu/jhm/*) is pleased to announce a call for papers for a special issue on Creativity in Mathematics. Please send your abstract submissions via email to the guest editors by March 1, 2019. Initial submission of complete manuscripts is due August 1, 2019. The issue is currently scheduled to appear in July 2020.*

According to mathematicians and mathematics educators, creativity is an integral part of doing mathematics. Many have written about mathematicians' views on the mental constructs of creativity and the creative nature of the field. Mathematical creativity can be naturally associated with a product that an individual creates, but it may also be considered as a process; there are limitless ways to be creative in mathematics.

As many educators recognize, students at every level have mathematical creative potential that can be represented in many non-routine forms (e.g., new solution approaches, different representations, metaphors of concepts, etc.). Nonetheless, creativity is rarely explicitly discussed or emphasized in K-12, undergraduate, or graduate classrooms. Instead, it is often insinuated within the prompts of doing homework problems or proving theorems.

Our special issue will highlight the ways in which mathematics is a creative field as well as how students' creativity can be fostered in classrooms. We propose an issue devoted to creativity, a humanistic aspect of mathematics, consisting of non-routine representations of personal mathematical creativity, new theories on mathematical creativity, or concrete methods of fostering creativity in the classroom. Descriptions of creative moments in problem solving, poetry and art that represents the process of being creative, or any pedagogical techniques of nurturing creativity are welcome. Proposal authors are encouraged to be creative with how they represent mathematical creativity.

The Journal of Humanistic Mathematics is, for us, a perfect journal for our aims of this special issue. The journal itself is non-routine and creative in the realm of other journals. It is an open-access journal that relishes in publishing insightful and boundary-pushing longform research. JHM also publishes poetry, art, and other forms that many journals would be hesitant to include, and we welcome those submissions.

Proposals sent before March 1, 2019, that include tentative titles and 200- to 500-word abstracts will be considered by the guest editors. The guest editors will respond by April 1, 2019, and the full contributions will be due August 1, 2019. The issue is currently expected to publish in July 2020.

Mathematical creativity is boundless; our special issue, in JHM, aims to highlight all that is incredible about mathematics. Join us!

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