

From the Editors-in-Chief

As we celebrate its first birthday, we are happy to present you with our latest issue of *Principia*.

One year ago, our inaugural editors-in-chief Andy Loo '16 and Bumsoo Kim '16 wrote of their vision for *Principia*: to inspire a passion for all facets of mathematics in students and enthusiasts across the world, just as the math department at Princeton has for countless decades. They have performed exceptionally well in leading *Principia*; we attract many diverse submissions, and our online following continues to grow.

This third issue of our student-run publication marks our first as its editors-in-chief, and we aspire to continue where our predecessors left off. We shall strive both to uphold as well as to develop *Principia* as a vibrant platform of encouraging enthusiasm for math research. A love for mathematics knows no borders, and we hope to help people everywhere find commonality in their passion.

As we work towards these goals, we are incredibly grateful for the dedicated efforts of our colleagues on the *Principia* staff. We would especially like to thank Academic Director Andrew Hahm '17 for streamlining the review process. We would also like to thank Webmaster Angelica Chen '17 for designing our logo, journal, and website, Production Director Seung Jae (Ryan) Lee '16 for directing the copy editing process, and Business Director Roy Zhao '17 and Treasurer Adam Kelly '19 for skillfully managing the business required to run and maintain *Principia*. We also extend our gratitude to all our referees for their careful and meticulous work.

We thank Professor Manjul Bhargava and Professor Emeritus John Horton Conway for continuing to serve as *Principia's* advisors. We would also like to thank Andy Loo '16, Bumsoo Kim '16, and Alec Payne '16 for their guidance, encouragement, and invaluable insight on leading *Principia*. Finally, we remain indebted to the Department of Mathematics at Princeton University, the Princeton University Math Club, and our sponsors for their continued generosity.

As we continue our journey forward, *Principia* would appreciate any feedback from our readers. Please direct all your questions to princetonmathjournal@gmail.com.

Its unreasonable effectiveness in the natural sciences is what guided me to mathematics in the first place, and its rich landscape of diverse yet intricately connected subfields is what compelled me to stay. There is a beautiful depth to mathematics, and I hope that *Principia* inspires its readers to dive in and explore its endless possibilities.

Mathematics is as enticing in its elegance as it is complex in structure. Requiring creativity, insight, and perseverance, mathematical research helps us to explore fertile, new landscapes. My wish is that *Principia* continues to deepen your connection with mathematics, spark your curiosity, bring you the joy of mathematics as it has for me.

Siyan "Daniel" Li '17

Eric Schneider '17