



## Cornell University

K-12 Education and Outreach, Mathematics Department

### 2018 Ithaca High School Math Seminar

Student Research Presentations

Saturday, June 16, 2018

9:00 am – 2:15 pm

532 Malott Hall

- 9:00-9:05 Welcome**  
Severin Drix (Ithaca High School)  
Mary Ann Huntley (Cornell University)
- 9:10-9:55 Context-Free Art**  
Zifeng Wang, Justin Tan, & Khamin Nathabheem (Ithaca High School)  
Daoji Huang (Cornell University)
- 10:00-10:45 Conway's Game of Life**  
Victoria Greenberg, Robin Steuteville, & Filip Jander (Ithaca High School)  
Daoji Huang (Cornell University)
- 10:50-11:25 Non-Simply Laced Dynkin Diagrams**  
Meghana Gavirneni & Taerim Eom (Ithaca High School)  
Balazs Elek (Cornell University)
- 11:25-11:55 Lunch (pizza & soda provided)**
- 11:55-12:40 Managing Truncation Error for a Taylor Series**  
Eli Zhang, Francesca Chu, & Matthew Guo (Ithaca High School)  
Matthew Hin (Cornell University)
- 12:45-1:20 Schläfli Symbols and Regular Polytopes**  
Scott Smith & Paul Fisher-York (Ithaca High School)  
Balazs Elek (Cornell University)
- 1:25-2:10 Root Finders in the Complex Plane**  
Vivek Myers, Leo Song, & Kaelan Imani (Ithaca High School)  
Matthew Hin (Cornell University)
- 2:10-2:15 Final Remarks**  
Severin Drix (Ithaca High School)  
Ravi Ramakrishna (Cornell University)

**RSVP needed by Tuesday, June 12<sup>th</sup>**

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Questions? Contact Mary Ann Huntley (huntley@math.cornell.edu)

