



## Cornell University

K-12 Education and Outreach, Mathematics Department

### 2018 Ithaca High School Math Seminar

Student Research Presentations

Saturday, June 16, 2018

10:00 am – 3:15 pm

532 Malott Hall

**10:00-10:05 Welcome**

Severin Drix (Ithaca High School)  
Mary Ann Huntley (Cornell University)

**10:10-10:55 Context-Free Art**

Zifeng Wang, Justin Tan, & Khamin Nathabheem (Ithaca High School)  
Daoji Huang (Cornell University)

**11:00-11:45 Conway's Game of Life**

Victoria Greenberg, Robin Steuteville, & Filip Jander (Ithaca High School)  
Daoji Huang (Cornell University)

**11:50-12:25 Non-Simply Laced Dynkin Diagrams**

Meghana Gavirneni & Taerim Eom (Ithaca High School)  
Balazs Elek (Cornell University)

**12:25-12:55 Lunch (pizza & soda provided)**

**12:55-1:40 Managing Truncation Error for a Taylor Series**

Eli Zhang, Francesca Chu, & Matthew Guo (Ithaca High School)  
Matthew Hin (Cornell University)

**1:45-2:20 Schläfli Symbols and Regular Polytopes**

Scott Smith & Paul Fisher-York (Ithaca High School)  
Balazs Elek (Cornell University)

**2:25-3:10 Root Finders in the Complex Plane**

Vivek Myers, Leo Song, & Kaelan Imani (Ithaca High School)  
Matthew Hin (Cornell University)

**3:10-3:15 Final Remarks**

Severin Drix (Ithaca High School)  
Ravi Ramakrishna (Cornell University)

---

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

<https://www.math.cornell.edu/m/outreach/ihs-seminar>

Questions? Contact Mary Ann Huntley ([huntley@math.cornell.edu](mailto:huntley@math.cornell.edu))

