

# Math Club

Wednesday, Feb 20th  
Morgan 208  
5:30 pm

## **Quantifying the Long Night: A scientific puzzle at the heart of A Game of Thrones**

Dr Andreev of the Department of Mathematics and Philosophy will be giving a presentation to explain some possible physics explanation for phenomena in The World of Ice and Fire.

- **What is behind its irregular seasons?**
- **A binary star system, a black hole, or a nebula?**
- **How do we measure chaos and quasi-periodic behaviour?**

Several mathematical criteria such as the Discrete Fourier Transform will be shown to choose potential winners. The talk is accessible for a general audience, and the most important part is that the Game of Thrones spoilers are kept to a minimum!

If you have any questions, please contact Math Club President Audrey Fletcher at [a-fletcher@wiu.edu](mailto:a-fletcher@wiu.edu).