

1116-VW-295 **Brian G. Kronenthal*** (kronenthal@kutztown.edu). *An Integer Sequence Motivated by Generalized Quadrangles.*

Can you fill in the blanks in the following sequence of integers? No internet please!

2, 6, 8, 10, 32, 84, 128, 186, ____, ____, 2048, 3172, 8192, 19816, ...

In this talk, we will explain how this sequence relates to incidence geometry (generalized quadrangles in particular) and algebraically defined graphs. Don't worry, we will also fill in the blanks, and moreover discuss a closed form for the n^{th} term of the sequence. (Received August 23, 2015)