

1154-43-241

Bradley Currey and **Vignon Oussa*** (vousa@bridgew.edu). *HRT conjecture and linear independence of translates on the Heisenberg group*. Preliminary report.

In this talk, we will establish the relationship between the HRT Conjecture and linear independence of translation systems on the Heisenberg group. We will show that the HRT Conjecture is equivalent to the conjecture that co-central translates of square-integrable functions on the Heisenberg group are linearly independent. This result affirmatively answers a question asked at the HRT workshop in Saint Louis University in 2016. (Received August 26, 2019)