

1106-81-1325 **F . Alberto Grünbaum*** (grunbaum@math.berkeley.edu), Berkeley, CA 94720. *Return properties for Quantum walks.*

I will discuss the use of Schur function technology to discover and understand some rather surprising properties of quantum walks that have some topological/geometric interpretation. This is part of joint and continuing work with Luis Velazquez, Reinhard Werner, Albert Werner, Jean Bourgain and Jon Wilkening. (Received September 12, 2014)