1116-81-763   **F Alberto Grunbaum*** (`grunbaum@math.berkeley.edu`), Math Dept, UC Berkeley, Berkeley, CA 94720. *Recovering a quantum network from input-output amplitude measurements.* Preliminary report.

Abstract

I revisit the problem of recovering the transition amplitudes of a finite network from input-output measurements in a quantum set-up. In the classical case this has been discussed in a joint paper with Laura Matusevich in Internet Mathematics vol 3 , pp 233-252, 2006: An identification problem for multiterminal networks, solving for the traffic matrix from input-output measurements, (Received September 11, 2015)