RUIXIANG ZHANG, UW-Madison
The pointwise convergence problem for the free Schrödinger equation in high dimensions

Recently a problem proposed by Carleson on a.e. convergence for free Schrödinger solutions got a sharp answer up to the endpoint in all dimensions. We will talk about the new result in dimensions $n + 1$ for all $n > 2$ and ideas behind it (joint work with Xiumin Du).