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*Proof of the HRT conjecture for special configurations*

The strong HRT conjecture asserts that the time-frequency translates of any nontrivial function in  $L^2(\mathbb{R})$  are linearly independent. The weak HRT conjecture has the same formulation, but this time for Schwartz functions. I will describe some recent work involving a number theoretical approach to the HRT conjectures, for some special 4 point configurations.