GORD SINNAMON, Western University, London, Canada *The Fourier transform in rearrangement-invariant spaces*

We will look at the Fourier transform as a map between rearrangement-invariant spaces of functions on \mathbb{R}^n . Restricting our attention to domain spaces that are 2-concave and range spaces that are 2-convex, we give necessary and sufficient conditions for boundedness.