1154-32-2478 **Purvi Gupta*** (purvi.gupta@rutgers.edu) and **Chloe U. Wawrzyniak**. *On the stability of the hull(s) of an n-sphere in $\mathbb{C}^n$ via a nonlinear Riemann-Hilbert problem.*

The phenomenon of analytic continuation in several complex variables gives rise to various notions of hulls for compact sets in complex spaces. In certain cases, it is of interest to identify when these hulls can be geometrically described in terms of attached holomorphic discs (or varieties). This problem has been studied extensively for 2-spheres in $\mathbb{C}^2$, where the hull also gives the solution to the so-called Levi-flat plateau problem. Far less is known about the hulls of generic n-spheres in $\mathbb{C}^n$ when $n \geq 3$. In this talk, we will discuss a stability result in this direction. We will note the main distinctions from the $n = 2$ case and elaborate on the role of Riemann-Hilbert boundary problems in this study. (Received September 17, 2019)