

CR Paneitz operator and its application in CR geometry

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Abstract: In this talk, I will talk about the CR Paneitz operator and some of its properties. I will then talk about some related results in CR geometry, including the CR positive mass theorem and the convergence of the CR Yamabe flow. Finally, I will mention some of the very recent results about the spectrum of the CR Paneitz operator in the non embeddable case, which is a joint work with Yuya Takeuchi.