

## **Complex Pisot Numbers and Newman Multiples**

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We present the progress we've made on three problems and discuss the experimental evidence we've gathered supporting our work: (1) The enumeration of all the complex Pisot numbers of modulus less than the square root of the golden ratio. (2) Whether there is a bound on the measure of a polynomial that forces it to have a multiple with only coefficients from  $\{0, 1\}$ . (3) Whether a certain algorithm for testing whether a polynomial has a Newman multiple halts for polynomials with complex Pisots as roots.