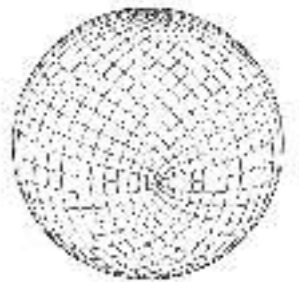# Michigan Math Club

Meeting [virtually](#) for Winter 2021
Thursdays at 4pm EST
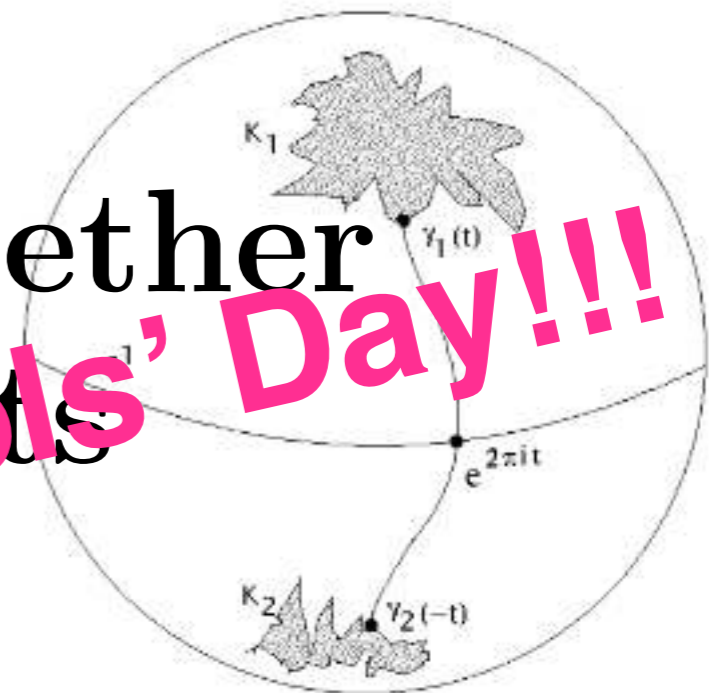
Pasting together Julia sets

Happy April Fools' Day!!!

John Milnor
Stony Brook University

01 April 2021

The operation of "mating" two suitable complex polynomials f_1 and f_2 constructs a new dynamical system by carefully pasting together the boundaries of their *filled Julia sets* so as to obtain a copy of the Riemann sphere, together with a new rational function from this sphere to itself. We will introduce and explore the notion of mating complex polynomials and present many examples.