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**Eric Ling\*** (eling@math.miami.edu) and **Greg Galloway**.  *$C^0$ -Extensions of the Big Bang.*

Recently, Dafermos and Luk showed the  $C^0$ -stability of the Kerr-Cauchy horizon which suggests that the strong cosmic censorship conjecture does not hold if one requires the  $C^0$ -inextendability of the maximal globally hyperbolic development. This motivates the following two questions: (1) what regularity condition should one impose for the strong cosmic censorship conjecture and (2) which spacetimes are  $C^0$ -inextendable? In a recent paper, Jan Sbierski has shown that the maximal analytic Schwarzschild spacetime is  $C^0$ -inextendable. Motivated by some of Sbierski's techniques, we tackle the question of whether or not the classical FLRW spacetimes are  $C^0$ -extendable. We find that there is a certain class of FLRW spacetimes, which we call Milne-like, that actually do admit  $C^0$ -extensions through the big bang. For spacetimes that are not Milne-like, we prove some inextendability results within a certain class of spherically symmetric spacetimes. (Received December 22, 2016)