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Timothy E Hodges* (hodges@math.colostate.edu). *Extending Bertini 2.0 For Your Own Purposes.*

With the current redevelopment of Bertini as open source software hosted on Github, users have the opportunity to directly extend the capabilities of Bertini for their own purposes. In this talk, we introduce some of the high-level structures and paradigms of Bertini 2.0 and describe how to develop new code in the Bertini 2.0 environment. (Received September 01, 2016)