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William Barker* (barker@bowdoin.edu), **Andrew Bernoff**, **Ingrid Daubechies**, **Daniel Goroff** and **Jennifer Slimowitz Pearl**. *Computational Sciences and Big Data: Implications for the Mathematics Curriculum — A Discussion*. Preliminary report.

The growing importance of the computational sciences—fueled in part by the need to analyze increasingly massive data sets—presents both a challenge and an opportunity for mathematics education. What are the fundamental implications for the undergraduate curriculum? How do these implications vary among differing types of institutions, e.g., liberal arts colleges versus research universities? To what degree should interdisciplinary collaboration be part of the response to this challenge? The discussion will provide advice and guidance for mathematics departments addressing this curricular issue. (Received September 25, 2012)