1116-00-2248 **Fabian Müller*** (fabian.mueller@fiz-karlsruhe.de), FIZ Karlsruhe, Zentralblatt MATH, Franklinstr. 11, 10587 Berlin, Germany. *Creating Mathematical Knowledge Networks.*

One of the core concerns of current and future WDML efforts is the facilitation of access to mathematical research knowledge. While such knowledge historically resided within a network of mathematical literature, navigatable by hand through the following of citation trails, there are nowadays multiple other kinds of repositories in which mathematical knowledge is contained. This includes electronic literature resources like the ubiquitous arXiv or the seminal EuDML project, but also different forms of mathematical research data like, e.g., results of modeling or computer algebra computations, programming code, integer sequences or group representations encoded in machine-readable formats.

In this talk we will review the ongoing efforts at zbMATH to link these and other kinds of mathematical knowledge together. We will describe the heuristic algorithms developed to match citation strings with the articles they reference, enabling computer assisted traversal of citation networks, as well as the ongoing efforts to interlink emerging new types of data, both on an article basis as well as on the more finely grained level of mathematical objects. A secondary focus of the talk will be the design of appropriate user interfaces to support manual aid in curating this data. (Received September 22, 2015)