

1154-01-1017 **Mitchel T. Keller*** (keller@mathgenealogy.org). *The Mathematics Genealogy Project as a Dataset.*

Harry B. Coonce founded the Mathematics Genealogy Project in the mid-1990s when he began trying to learn more about his PhD advisor's advisor. The original idea was the Project would be a success if a database of 10,000 individuals could be built. As of September 2019, there were over 245,000 individuals with records in the MGP database spanning over 700 years. The MGP data can naturally be considered as a (directed acyclic) graph, and some graph theoretic investigations have been conducted. However, the database contains considerable additional information about each vertex (e.g., year of degree, thesis title, and Mathematics Subject Classification). Some articles analyzing these aspects of the data have been published, but accessing the MGP data for research purposes has historically been cumbersome and involved a static snapshot of the data. As of September 2019, an API is in preparation to allow more widespread access to the MGP data. This will provide researchers interested in exploring the textual data of the MGP to look for trends or clusters or means of classification with broader access to conduct their investigations. We hope that this talk will facilitate dialogue with those interested in such research to allow the API to be as useful as possible. (Received September 12, 2019)