Evaluation of tribological measurement results using Matlab and SQL database

We have a large number of experimental measurement results, which are to be evaluated using Matlab. The measurement results describe Stribeck curves at different load parameters as shown in the graph below. The individual measurement files contain a lot of information that cannot be compared directly. For this purpose, a script has to be written which determines certain points (e.g. transition between solid and liquid friction) and stores them as numerical values.

The determined characteristic values should be automatically stored in an SQL database, which already contains other experimental parameters.

Task description:
- Familiarization with the measurement data
- Implementing a script to find the parameters needed
- Connecting the Matlab model to a SQL database

We offer:
- Good working atmosphere
- Required aids
- Support for speedy processing