

## 1 Literature Review

As far as I can tell, the techniques I'm presenting are novel, as they are pretty specific to the type of tool which I am creating an interface for. The paper outlining the Herbie tool is central to the techniques, and can be found at <http://herbie.uwplse.org/pldi15-herbie.pdf>.

## 2 Project Plan

My plan is to break the project into three smaller chunks. First, I will get a rough version of the interface going that will be able to present what is shown on the slides in an unpolished manner using dummy data. Then, I will set up the mechanisms through which the interface will communicate with the existing Herbie server which my colleague is developing. Finally, as much as time permits I will generalize the interface to include taylor series as well as rewrites, to function properly on all expressions, and generally polish the interface.