

Project Proposal: Research Static Analyzers

Introduction: I would like to have a resource for identifying the best static analyzer to use for any given project I am working on in C++. The goal of this research will be to review various static analyzers and to ultimately compare their soundness, completeness, cost and effectiveness.

Background: Basic knowledge of writing and compiling C++ programs.

Preliminary Results: Limited knowledge which is why this project will be mainly research.

Feasibility: 3 months should be enough time to conduct this research.

Merit: The result of this research project will be to inform myself and others about various popular static analyzers for C++. It will also be a way to compare them based on soundness, completeness, cost, and effectiveness.