

# Liveness Analysis

Liveness Analysis Introduction

Compiler Structure

The Back End

Control Flow Graph Revisited

Information Flow

IR Quiz

Basic Blocks Quiz

CFG Quiz

Live Variable Analysis

Live Range Quiz

Computing Liveness

Analyze Instructions

Analyze Instructions: General Rule

Liveness Across Instructions

Analysis Example

Def Use Quiz

Flow of Information

Analyze Flow Control

Liveness Analysis

Control Flow Quiz

System of Equations

Solving the Problem