Note on the Elements of Differentiable Programming

1 Introduction

This note is based on the book *The Elements of Differentiable Programming* [1].

> *Definition 1* (**Differentiable programming**):
> Differentiable programming is a programming paradigm in which complex computer programs (including those with control flows and data structures) can be differentiated end-to-end automatically, enabling gradient-based optimization of parameters in the program.

Bibliography

[1] M. Blondel and V. Roulet, The Elements of Differentiable Programming, (2024)