Predicting coefficients for graphs

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Abstract

In this set of notes we do the following.

- **denominator graphs:**
  - **Intra-loop modelling - ability to model within loop level**
  - **Modelling higher-loop based on previous loop order**
  - **Shap value analysis - what is the driving the decision**
- **f-graphs**

1 Motivation

2 Features

3 Intra-loop modelling

4 Predicting l from $p < l$ loop orders

4.1 Approach 1: Timeseries approach

4.1.1 Feature reduction

4.1.2 Shap Analysis

4.2 Approach 2: General l learning

4.2.1 Feature reduction

4.2.2 Shap Analysis

4.3 Ensemble learning