Toolbox: curvefit

Title: Curve Fitters

Summary: A toolbox for fitting data-points to a line, polynomial or an exponential curve using the Least Square Approximation.

Version: 1.0.1

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Category: Data Analysis and Statistics

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WebSite: http://www.bragitoff.com/

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ScilabVersion: >= 5.4

Depends:

Date: 2016-03-03

Description: A toolbox for fitting data-points to a line, polynomial or an exponential curve using the Least Square Approximation.

Macros:

- linefit – Fit a given set of data-points to a line. Returns the fitted data points, slope and the intercept of the line.
- npolyfit – To fit a given set of data points to a polynomial.
- expofit – To Exponentially fit a given set of data points
- lfitplot – Fit a given set of data-points to a line. Returns the fitted data points, slope and the intercept of the line and plot the original and fitted data..
- pfitplot – To fit a given set of data points to a polynomial and plot the original and fitted data.
- efitplot – To Exponentially fit a given set of data points and plot the original and fitted data.

HELP:
Check out the following links for more info:
http://www.bragitoff.com/2016/03/exponential-fitting-scilab/
http://www.bragitoff.com/2016/03/linear-fitting-scilab/
http://www.bragitoff.com/2016/03/polynomial-fitting-scilab/

HOW TO INSTALL A TOOLBOX??

## Manas Sharma

I’m a physicist specializing in computational material science with a PhD in Physics from Friedrich-

Schiller University Jena, Germany. I write efficient codes for simulating light-matter interactions at atomic scales. I like to develop Physics, DFT, and Machine Learning related apps and software from time to time. Can code in most of the popular languages. I like to share my knowledge in Physics and applications using this Blog and a YouTube channel.

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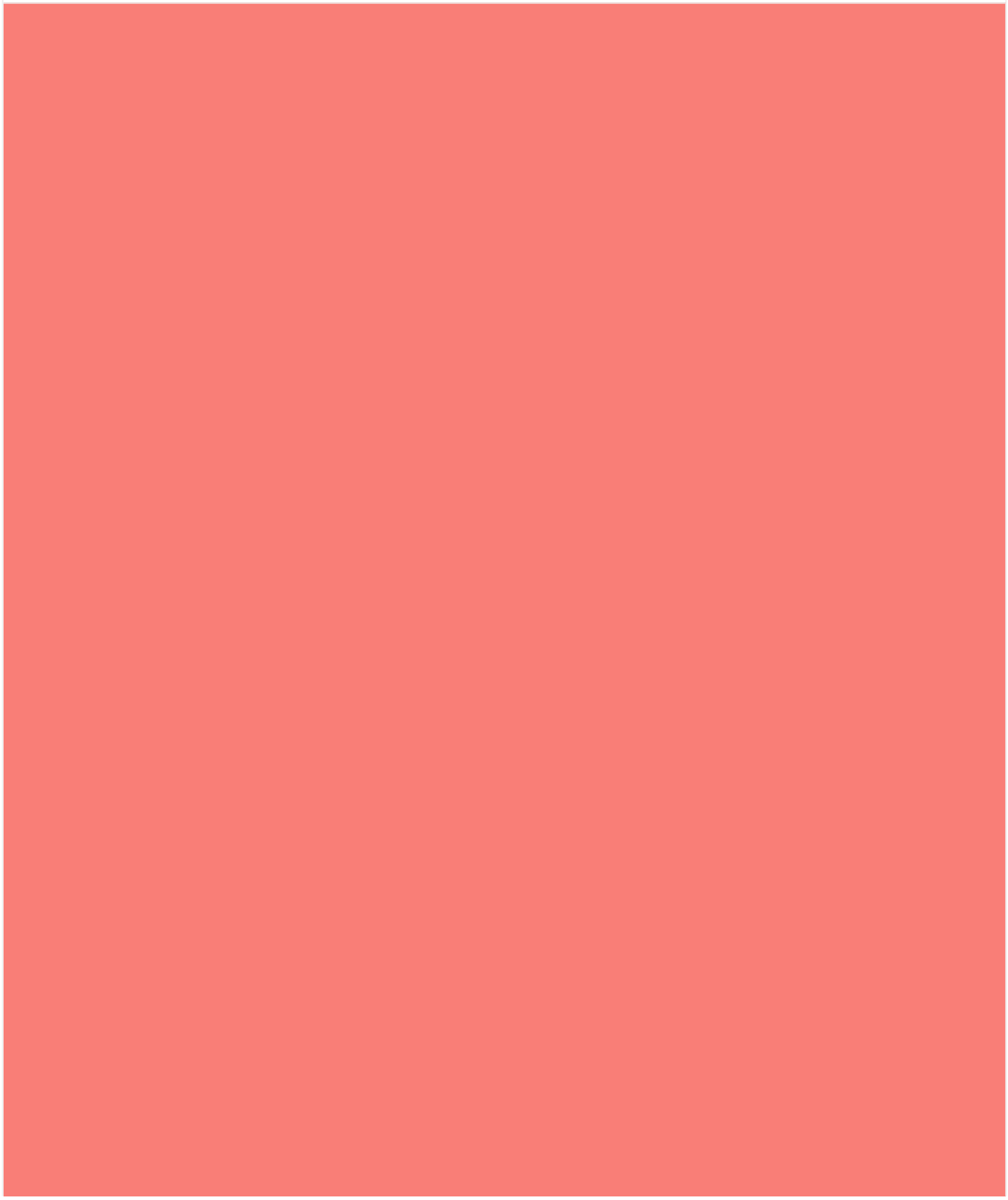

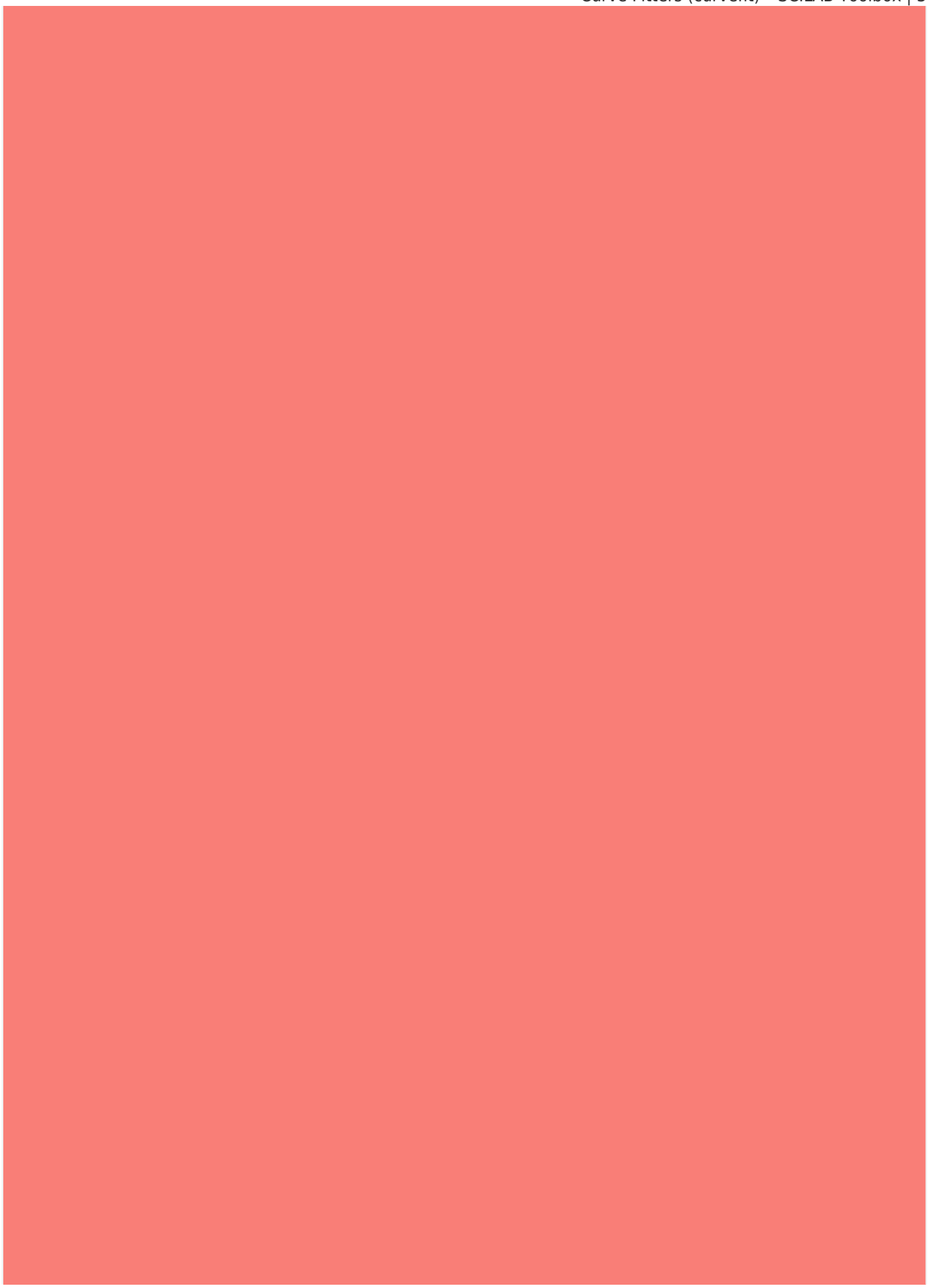

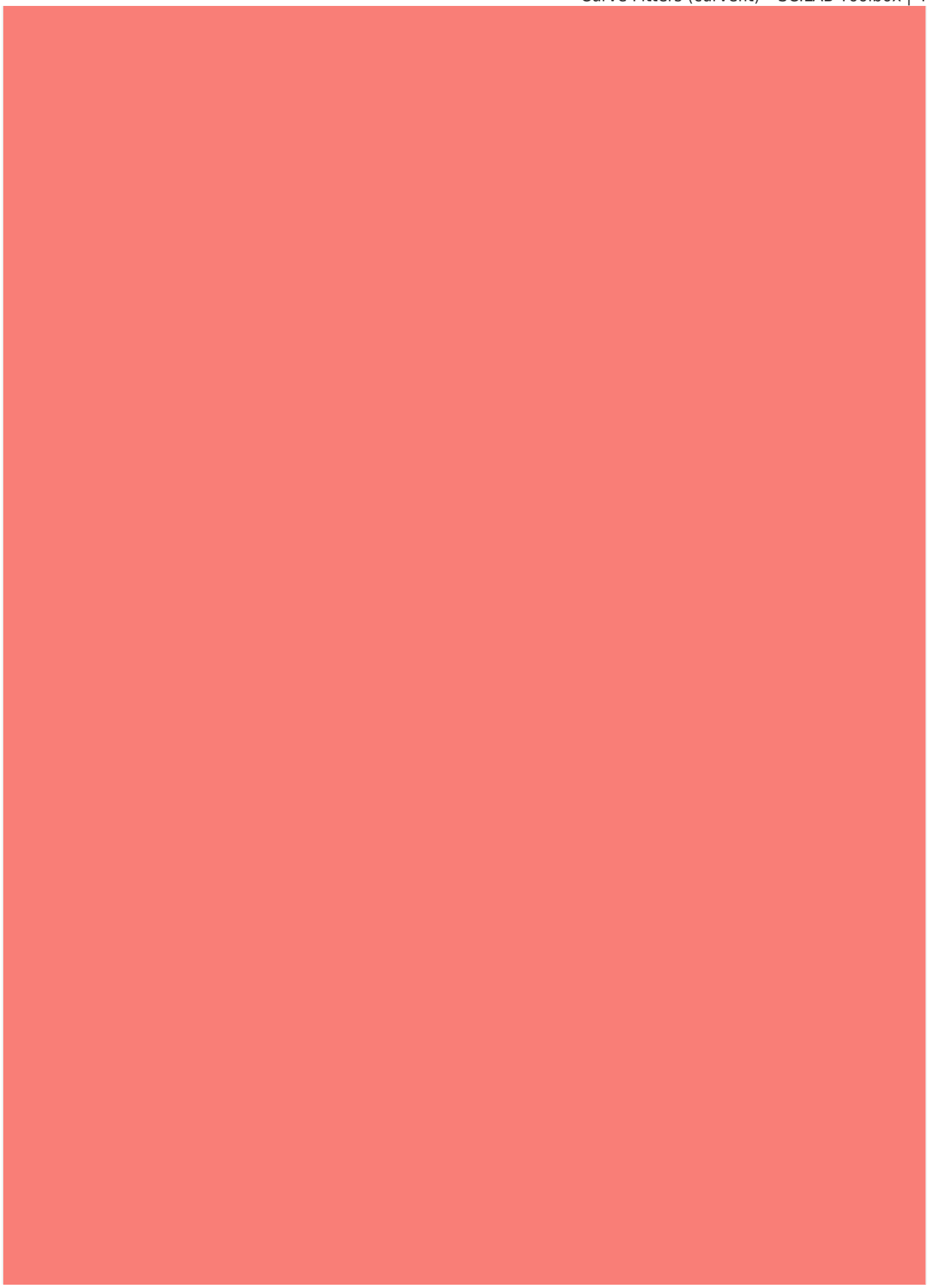

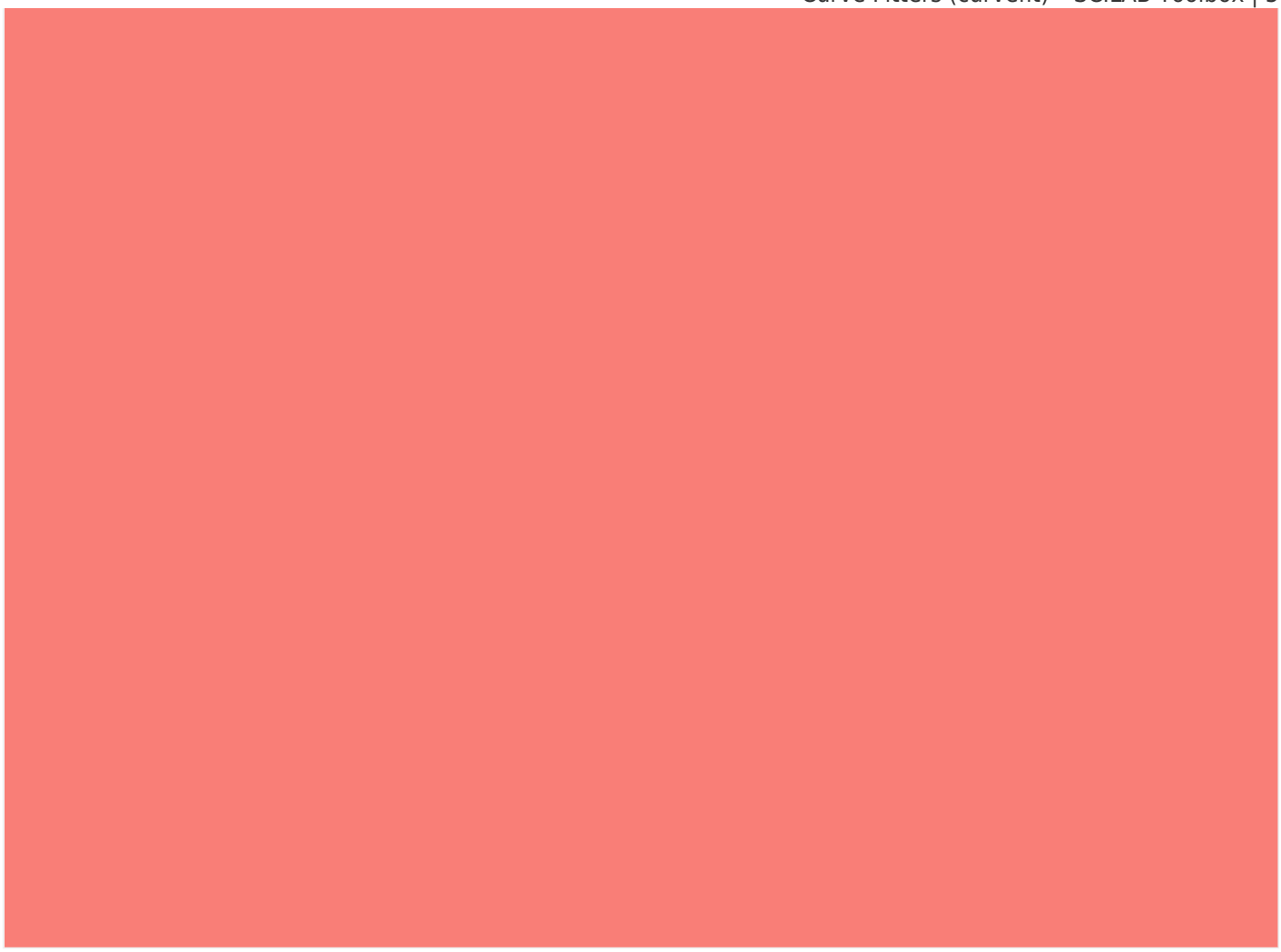

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