FeynmanJS: Drawing Portable Feynman Diagrams with JavaScript and Scalable Vector Graphics (SVG)

Marcell Jusztin

May 2014

Abstract

FeynmanJS is a JavaScript tool for producing high quality, Scalable Vector Graphic (SVG) Feynman diagrams for the modern web. It is based on the popular *feynMF*[1] package for LaTeX, featuring automatic layout management and support for multiple syntaxes.

1 Introduction

1.1 Purpose and Scope

In the past few years the internet has gone through a drastic evolution changing the way we share information with each other. With online journals and encyclopedias such as Wikipedia becoming available to a broader audience one might find need for a quicker and easier way of sharing graphically rich, scientific – or other – content[2].

1.2 Overview

References

[1] Thorsten Ohl, *feynMF: Drawing Feynman Diagrams with LaTeXand METAFONT*. Technische Hochschule Darmstadt, Darmstadt, Germany 1997.

[2] Zan Pan, *jQuery.Feyn: Drawing Feynman Diagrams with SVG*. Institute of Theoretical Physics, Chinese Academy of Sciences, Beijing, China 2013.