

# Reproducibility of SBML network diagrams

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## Introduction

The SBML layout and render extensions enable SBML models to encode information about the graphical depiction of model elements. The “Layout extension provides information about the positions of model elements, whilst the “Render extension describes their physical characteristics, such as their shape, color, line width, and font attributes. Libsbml\_draw is a Python library that supports the SBML Layout and Render extensions by automating the generation of layout information for SBML models. This is done using a C/C++ backend library called SBNW (unpublished work).

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## References

■ SBNW <https://github.com/sys-bio/sbnw>