

# Automatic generation of simplified buildings from 2D wire-frame \*

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December 2, 2014

## Abstract

In this module we develop a small library of functions to generate automatically simplified models of 3D buildings starting from 2D wire-frame drawings. The generated geometries will be exported to xGeoJson, a hierarchical data format extending GeoJson, the standard for geographical web maps, with assemblies and local rectangular coordinates.

## Contents

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\*This document is part of the *Linear Algebraic Representation with CoChains* (LAR-CC) framework [?].  
December 2, 2014