

# Structural GTb

A software tool that implements structural graph theory and chaos engineering for nano-structures.

## Installation

This specified version is not currently available for download via GitHub. Therefore, please follow the manual installation instructions provided below:

- Install Python version 3.11 on your computer.
- Download link  
[https://drive.google.com/file/d/1jhr5w0KhCAbMS9kxbOlean0X2q2HrZy9/view?usp=drive\\_link](https://drive.google.com/file/d/1jhr5w0KhCAbMS9kxbOlean0X2q2HrZy9/view?usp=drive_link)
- Download, extract the `source code` folder named '**structural-gt**' and save it to your preferred location on your PC.
- Open a terminal application such as CMD.
- Navigate to the location where you saved the '**structural-gt**' folder using the terminal.
- Execute the following commands:

```
cd structural-gt
python3 -m venv venv_sgt
source venv_sgt/bin/activate
pip install --upgrade pip
pip install -r requirements.txt
pip install .
deactivate
```

## Executing

To execute the program, please follow these steps:

- Open a terminal application such as CMD.
- Navigate to the '**structural-gt**' folder using the terminal.
- Once inside the folder, execute the following command:

```
structural-gt/venv_sgt/bin/StructuralGTb
```