DeCodingSpaces Toolbox

for Grasshopper

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AUTHORS

Abdulmalik Abdulmawla[1],
Martin Bielik[1,6],
Peter Buš[2],
Chang Mei-Chih[2],
Ekaterina Fuchkina[1],
Yufan Miao[4],
Katja Knecht[4],
Reinhard König[1,4,5],
Sven Schneider[1,3,6]
Ondřej Veselý[5]

PARTNERS

Member institutions of the Computational Planning Group (CPlan):

[1]Bauhaus-University Weimar (Chair Computer Science in Architecture, Chair Computational Architecture)
[2]ETH Zürich (Chair Information Architecture)
[3]Emerging City Lab - Addis Ababa
[4]Future Cities Lab Singapore
[5]Austrian Institute of Technology Vienna
[6]DecodingSpaces GbR

SHORT SUMMARY

DeCodingSpaces Toolbox for Grasshopper is a collection of analytical and generative components for algorithmic architectural and urban planning. The toolbox has been released by the Computational Planning Group (CPlan) and is a result of long term collaboration between academic institutions and praxis partners across the globe with the common goal to increase the efficiency and quality of architecture and urban planning.

The DS Toolbox is **Non-Profit** collaborative project. It is **Work in Progress** being conducted by many authors with different background, career paths and levels of involvement. On one hand, we believe that the combination of individual contributions is what makes this toolbox so powerful, on the other hand we have to deal with the “imperfections” of large collaboration. Here, we kindly ask for your patience and understanding. We are very much looking for your feedback, hints and bug reports and will do our best to continuously improve.

For additional information, updates, examples and tutorials please visit:
DeCodingSpaces-Toolbox.org

In case of any problems, please read the troubleshooting page:
DeCodingSpaces-toolbox.org/#troubleshooting

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INSTALL INSTRUCTIONS

The latest DeCodingSpaces build can be found on food4rhino.com/app/decodingspaces-toolbox

- Unzip the DeCodingSpaces Toolbox installation file and copy it to the Grasshopper components folder (Start Grasshopper and go to File>Special Folders>Components Folder).
- For Using the GPU accelerated network analysis components “CityGraph”, you have to copy the folders “Alea.CUDA.CT.LibDevice” and “Alea.CUDA.CT.Native.X86.B64.Windows” to your Rhino install folder (i.e. “Program Files\Rhinoceros 5 (64-bit)\System\”)

Note:

To use the statistical analysis components R software has to be installed.
For more info go to https://www.r-project.org and https://cran.r-project.org

DS Toolbox working units is meter – this is important for setting up tolerances and weightings!
Check or change the current Rhino units in Rhino Option>Units>Model

Some components offer GPU-acceleration. This works only on computers with a CUDA compatible graphics card.

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LICENSE

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CONTACT

info@decodingspaces-toolbox.org