



- Dataset is generated based on the [Princeton Shape Benchmark database](#)
- Dataset contains 4 sets for the each possible connection between objects (in, on, below and next to). The problem is formulated that all possible relations should be treated so two objects can have multiple connections.
- Links between objects are determined by values:
  - **0** - no connection
  - **1** - direct connection
  - **-1** - reverse connection
  - **empty** - unknown connection
- You can download dataset [here](#)

## Reference

*"Learning missing edges via kernels in partially-known graphs"*, Senka Krivic, Sandor Szedmak, Hanchen Xiong, Justus Piater, European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning 2015. [PDF](#) Please cite this paper if you are using this database.

**BibTex** @InProceedings{Krivic-2015-ESANN,

```
title = {{Learning missing edges via kernels in partially-known graphs}},
author = {Krivi\{c}, Senka and Szedmak, Sandor and Xiong, Hanchen and
Piater, Justus},
booktitle = {{European Symposium on Artificial Neural Networks,
Computational Intelligence and Machine Learning}},
year = 2015,
url = {https://iis.uibk.ac.at/public/papers/Krivic-2015-ESANN.pdf}
```

}

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<https://iis.uibk.ac.at/> - IIS

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