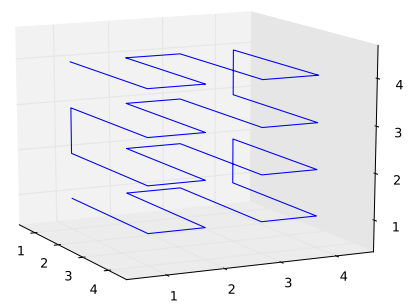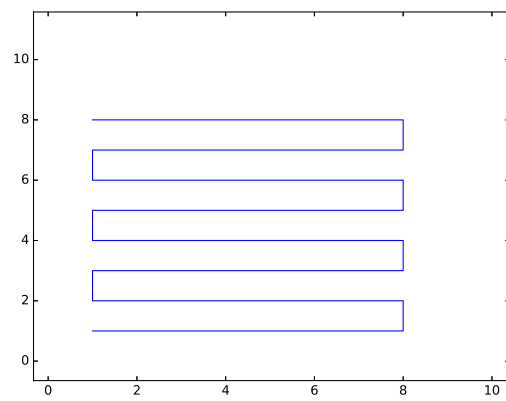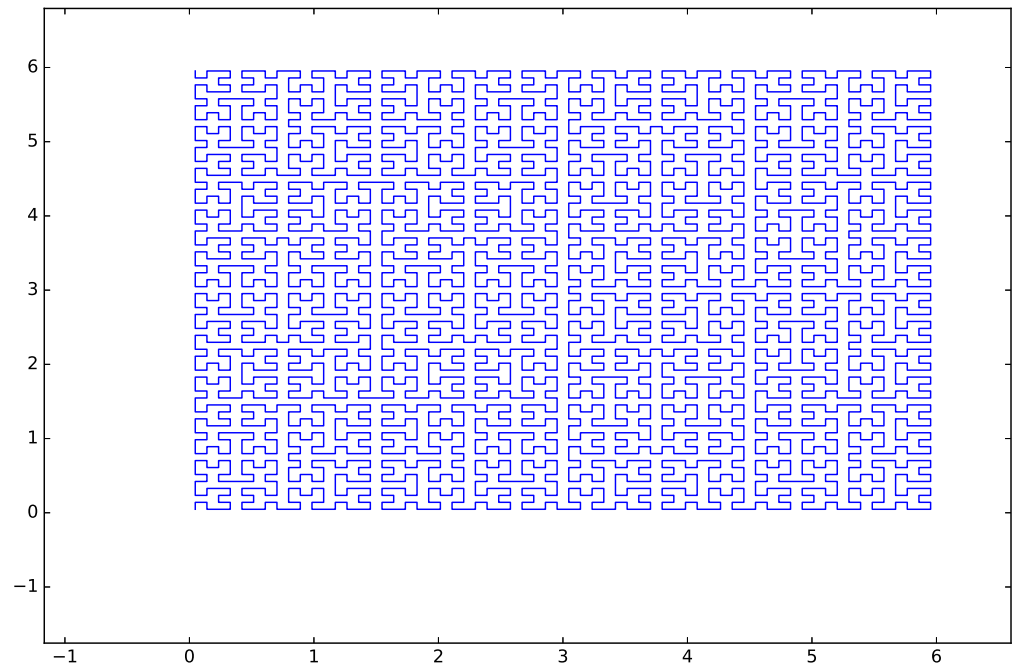# 1 Week 9 Implementations

References

[1] G. BREINHOLT and C. SCHIERZ. Algorithm 781: Generating hilberts space-filling curve by recursion. *ACM Transactions on Mathematical Software*, 24(2):184–189, June 1998.

[2] K. Buchin. *Space-Filling Curves, Delaunay Tessellation of Random Point Sets, and Flow Complexes*. PhD thesis, Freie Universitat, Berlin, Germany, 1 2008.

[3] A. R. BUTZ. Alternative algorithm for hilbert's space-filling curve. *IEEE TRANSACTIONS ON COMPUTERS*, 20(1):424–426, 4 1971.

[4] P. M. Campbell, K. D. Devine, J. E. Flaherty, L. G. Gervasio, and J. D. Teresco. Dynamic octree load balancing using space-filling curves. Technical Report 1, Williams College Department of Computer Science, Williamstown, MA 01267, 1 2003.

[5] C.-S. Chen, S.-Y. Lin, M.-H. Fan, and C.-H. Huang. A closed-form algorithm for converting hilbert space-filling curve indices. *International Journal of Computer Science*, 37(1), Feburary 2010.

[6] M. Fernando and H. Sundar. Hilbert curve based flexible dynamic partitioning scheme for adaptive scientific computations. Technical Report 1, School of Computing University of Utah, Utah, 1 2016.

[7] I. John J. Bartholdi and P. Goldsman. *Vertex-Labeling Algorithms for the Hilbert Spacefilling Curve*. PhD thesis, School of Industrial and Systems Engineering, Georgia Institute of Technology, Atlanta, Georgia 30332-0205 USA, 1 2000.

[8] N. Reissmann, M. Jahre, and J. C. Meyer. A study of energy and locality effects using space-filling curves. Technical Report 160606133, Dept. of Computer and Information Science (IDI) NTNU, Norway, NTNU, Norway, 6 2016.

[9] L. Tautenhahn. Draw a space filling curve of odd sizes. Odd work, 2003.