

1 Week 8

- Space filling curves have proven to improve performance of memory access by magnitudes <https://arxiv.org/pdf/1606.06133.pdf> June 2016, Nico Reissmann, Magnus Jahre, Jan Christian Meyer, HPC Section, IT Dept. NTNU, Norway
- Performance analysis of SFC, specifically the sampling of random points in the space. Hilbert wins. <https://math.dartmouth.edu/~ddeford/icpp13.pdf>
- Reordering instructions via Hilbert curve, indexing along the curve, circa 2000/2002
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.65.1757&rep=rep1&type=pdf>
- Customization of SFC to solve the particular problem at hand. Circa 2001 on multiple applications. <http://...mokbel.pdf>
- How do I access this and related articles? I've contacted the ACM about this. <http://dl.acm.org/citation.cfm?id=1366223>
- Sierpinski space-filling curves applied to create a representation that can be reasoned over [a19-meister.pdf](#)

2 Personal Life

- Contract job for Datalogic complete. Windows hardware qualification of kernel mode drivers certified and distributed. Invoice delivered.
- AI is difficult but fascinating. Homework has been challenging and exciting to complete, I've spent too much time on this class. This is mostly due to python familiarity and workstation environment.
- Workstation setup at home and school revamped to increase productivity (Dual monitor, ergo keyboard, mouse, etc.). Development on a laptop was slowing down performance.
- Home life has been difficult recently as the new baby Avalyn requires lots of time. Rosalyn has also needed extra time as she adjusts.