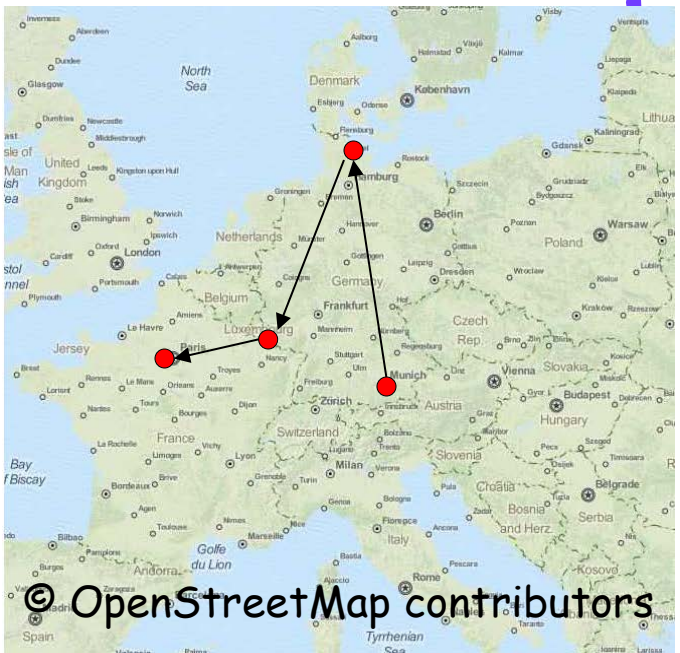
Benjamin Doerr: CV

- born in Munich
- Diploma 1998 (Kiel): Group theory
- PhD 2000 (Kiel): Discrete mathematics
- Habilitation 2005 (Kiel): Algorithmic mathematics

- 2005-2013: Senior researcher, Max Planck Institute for Informatics, Saarbrücken
- since 2013: Professor for Informatique LIX, Ecole Polytechnique



Benjamin's Research: Randomized Methods in Computer Science

Randomized Algorithms

```
int getRandomNumber()
{
    return 4;  // chosen by fair dice roll.
               // guaranteed to be random.
}
```

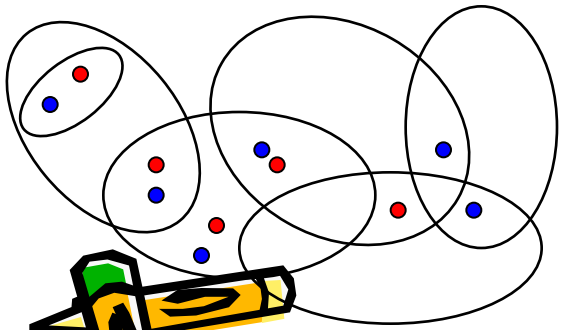
http://xkcd.com

Epidemic Algorithms & Rumor Spreading

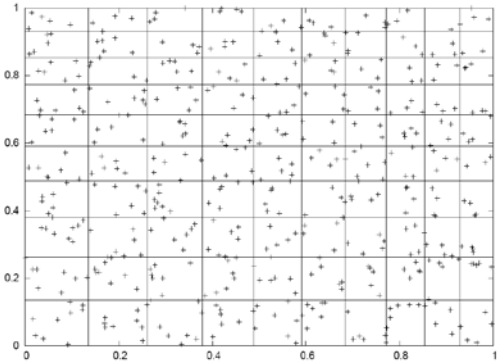
Evolutionary Algorithms

Charles Darwin (1809-1882) [Wikipedia]

Discrete Maths



Discrepancy Theory, Uniform Distribution



Combinatorial Games