Connect the dots

Malen ohne Zahlen

Ulrich Bauer

TUM

June 10, 2016

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Connect the dots

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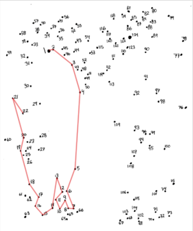
"Dot to dot" redirects here. For the annual music festival, see Dot to Dot Festival.
For other uses, see Connect the dots (disambiguation).

Connect the dots (also known as **dot to dot** or **join the dots**) is a form of puzzle containing a sequence of numbered dots.[1] When a line is drawn connecting the dots the outline of an object is revealed. The puzzles frequently contain simple line art to enhance the image created or to assist in rendering a complex section of the image. Connect the dots puzzles are generally created for children. The use of numbers can be replaced with letters or other symbols.



A partially solved connect the dots puzzle.

In adult discourse the phrase "connect the dots" can be used as a metaphor to illustrate an ability (or inability) to associate one idea with another, to find the "big picture", or salient feature, in a mass of data.

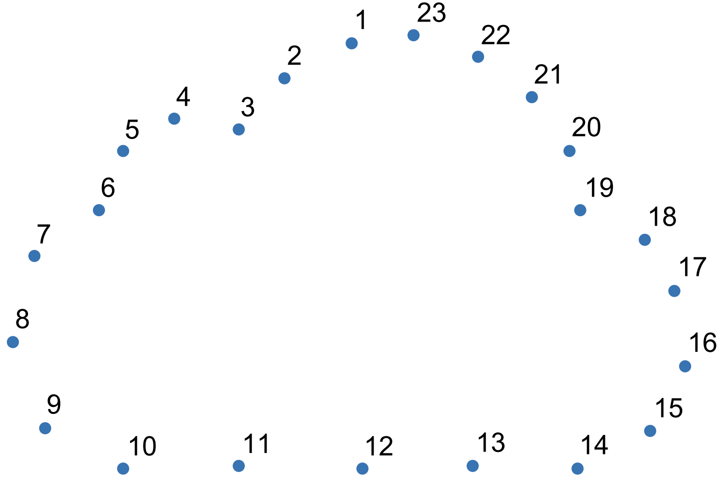
Reuven Feuerstein features the connection of dots as the first tool in his cognitive development program.

See also [edit]

- Trail Making Test

References [edit]

1. ^ dot (definition) OED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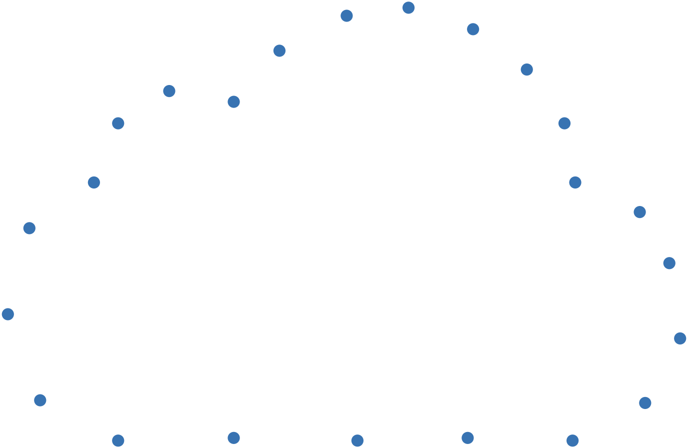

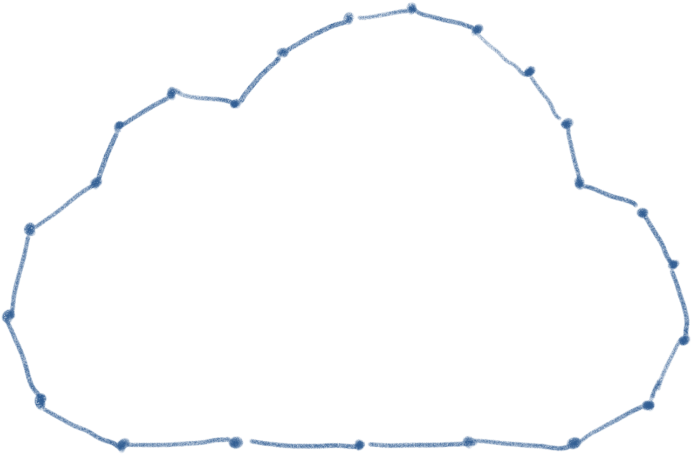

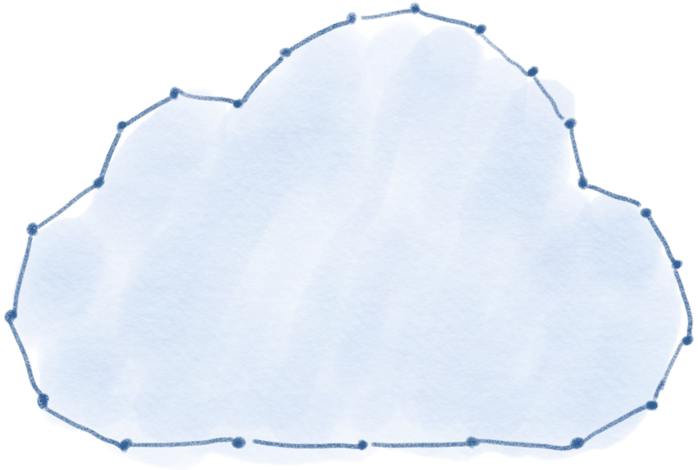

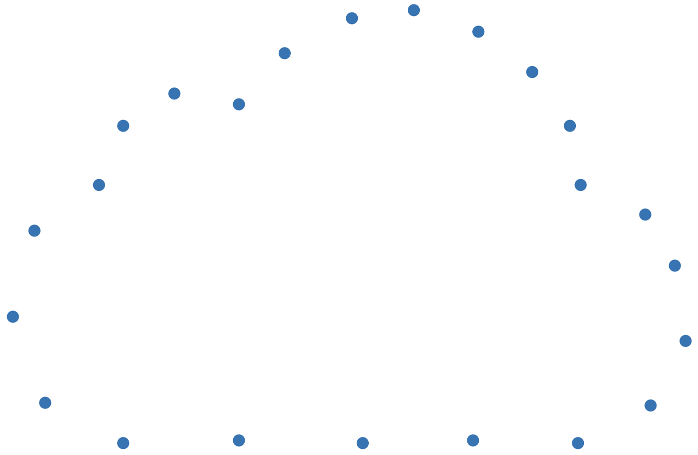

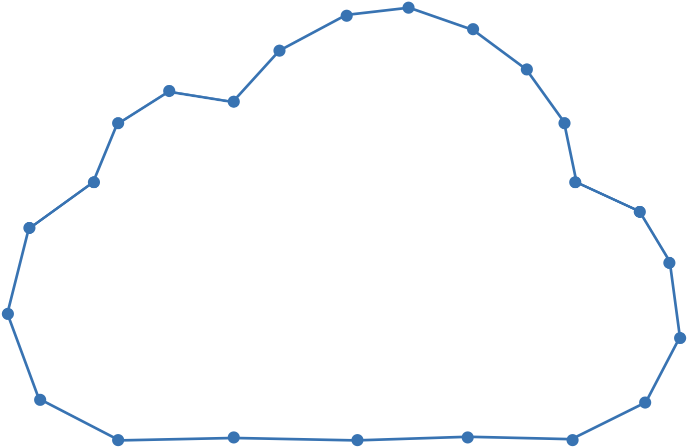

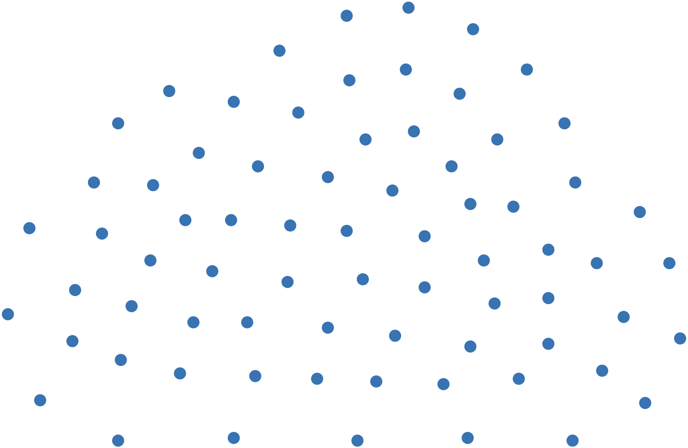

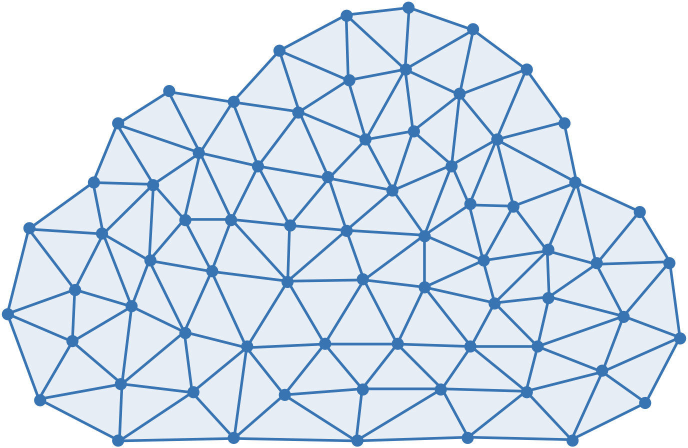

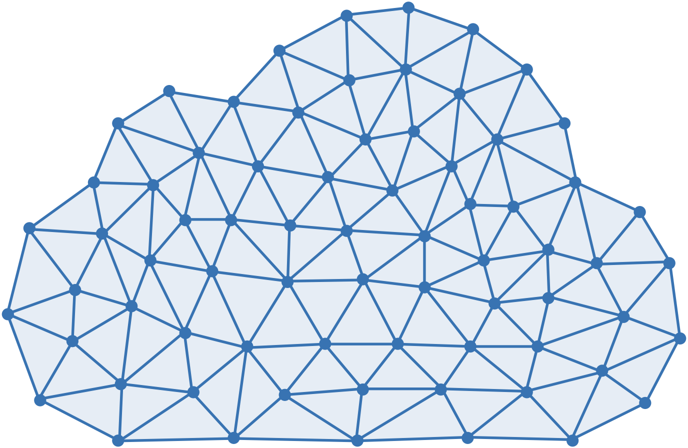

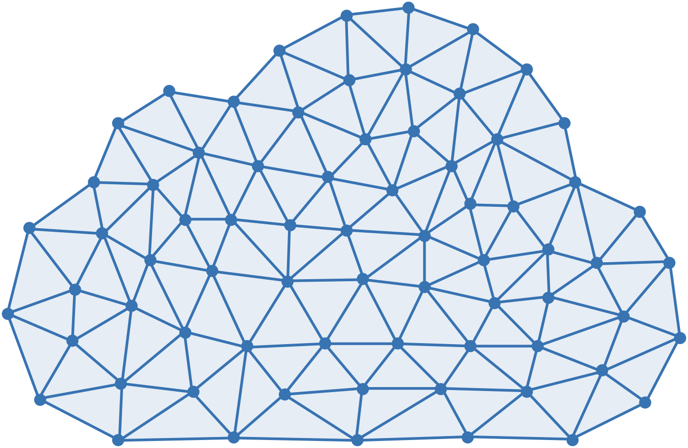

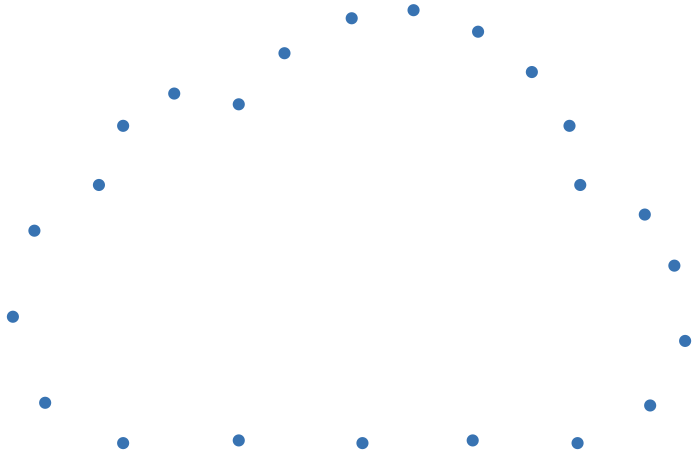

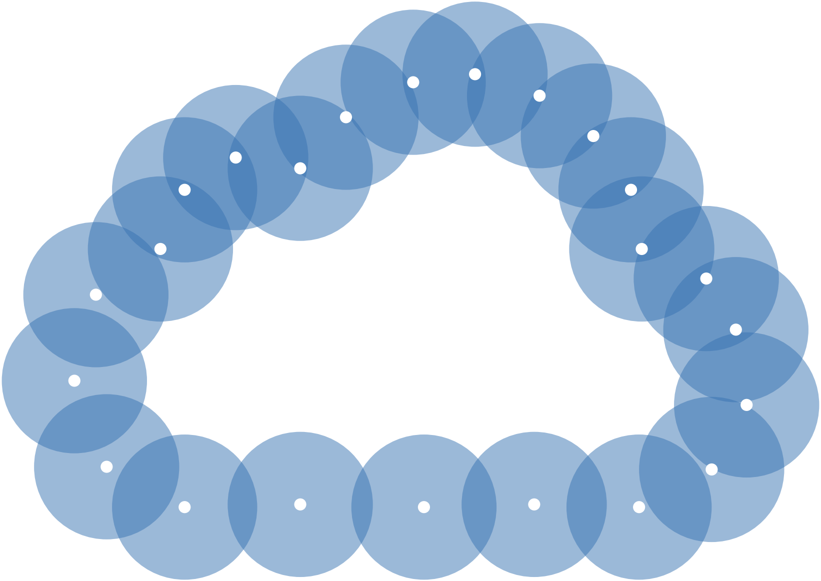

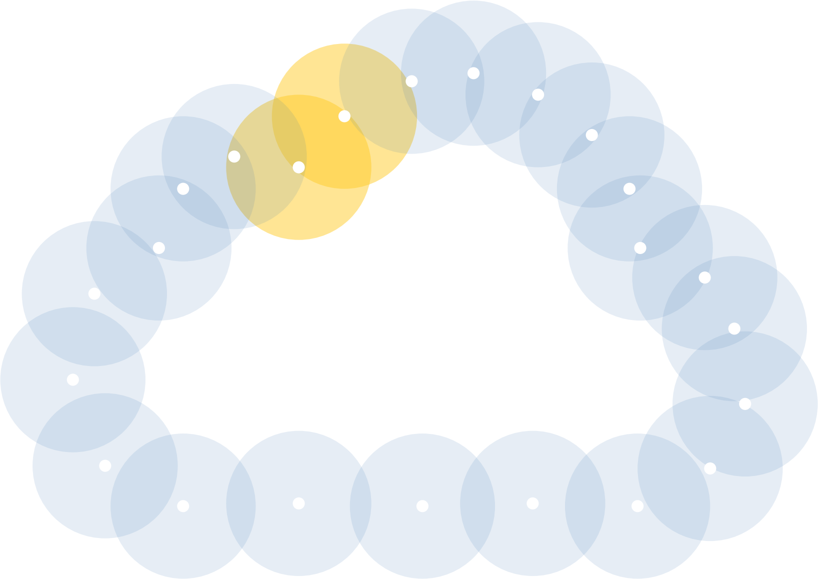

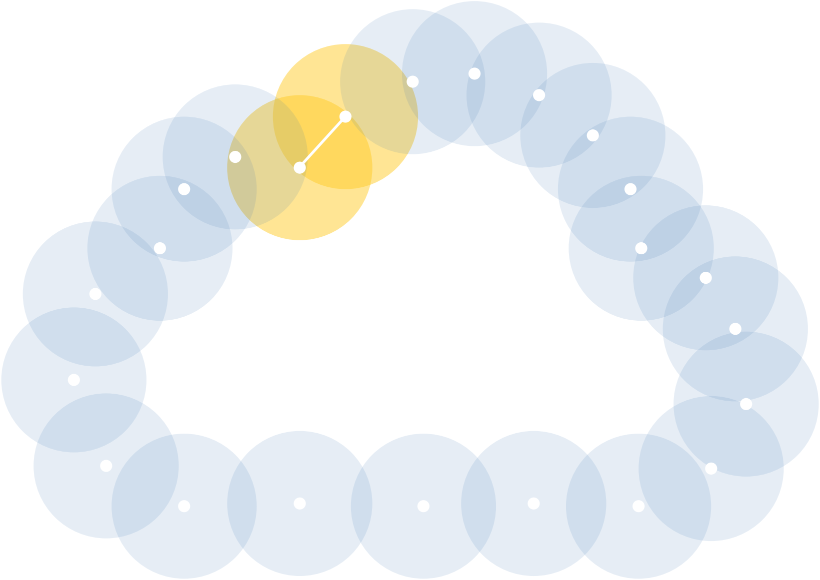

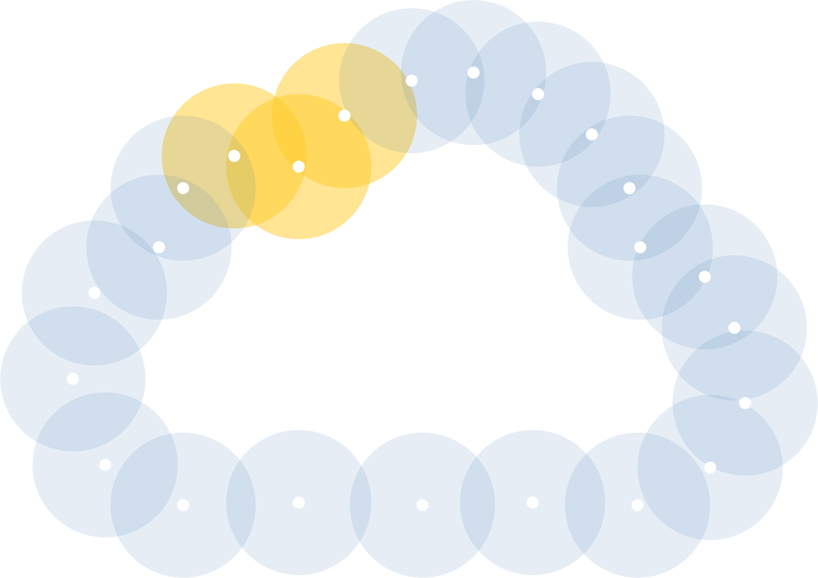

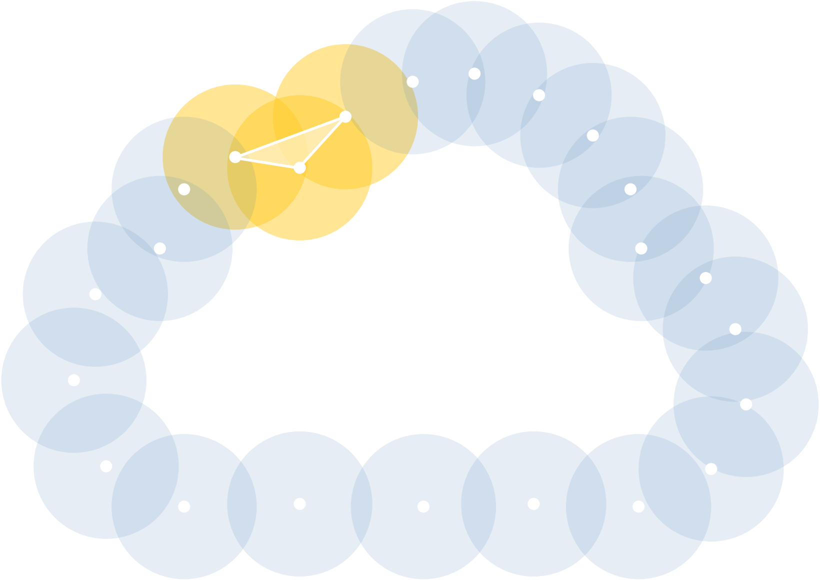

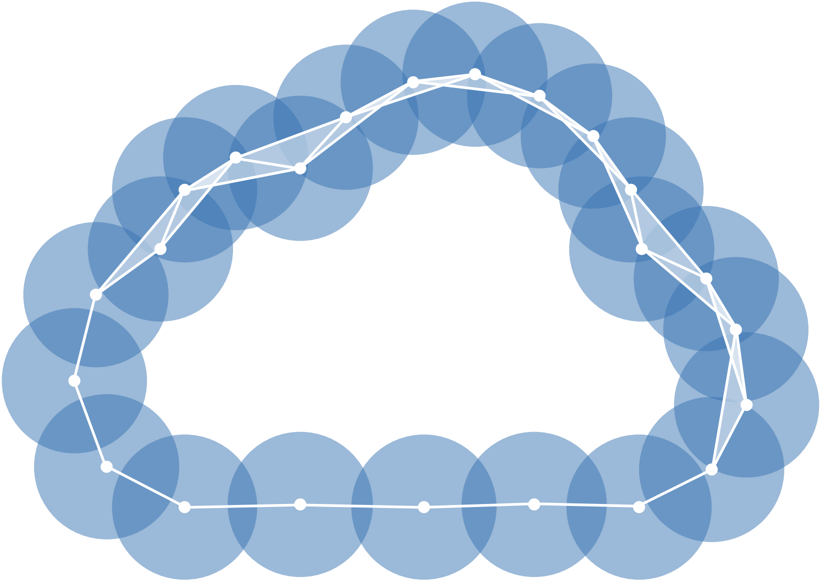

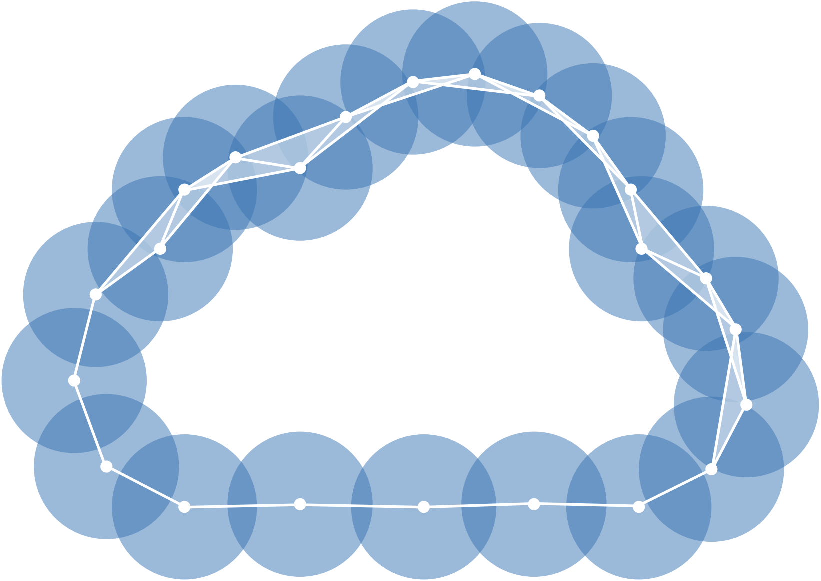

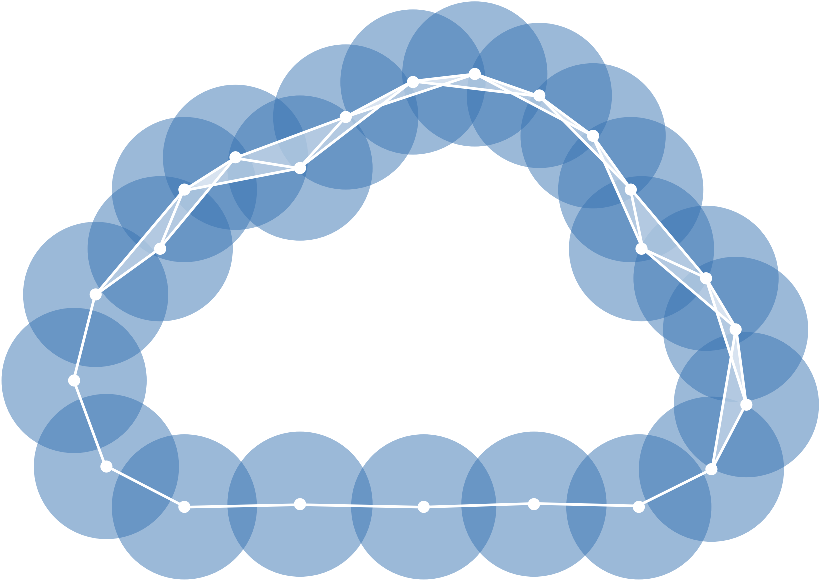

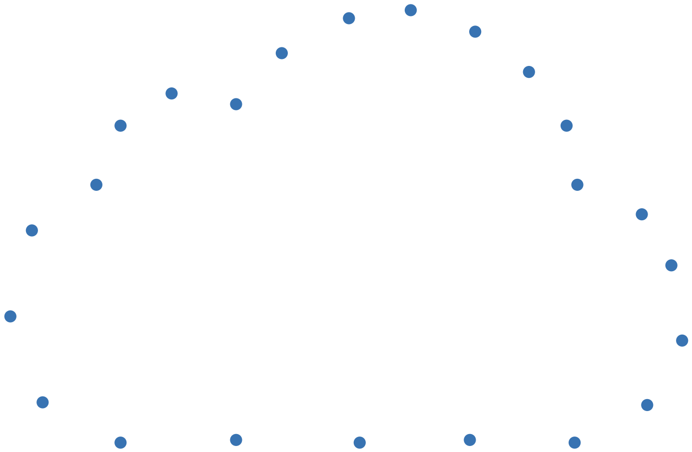

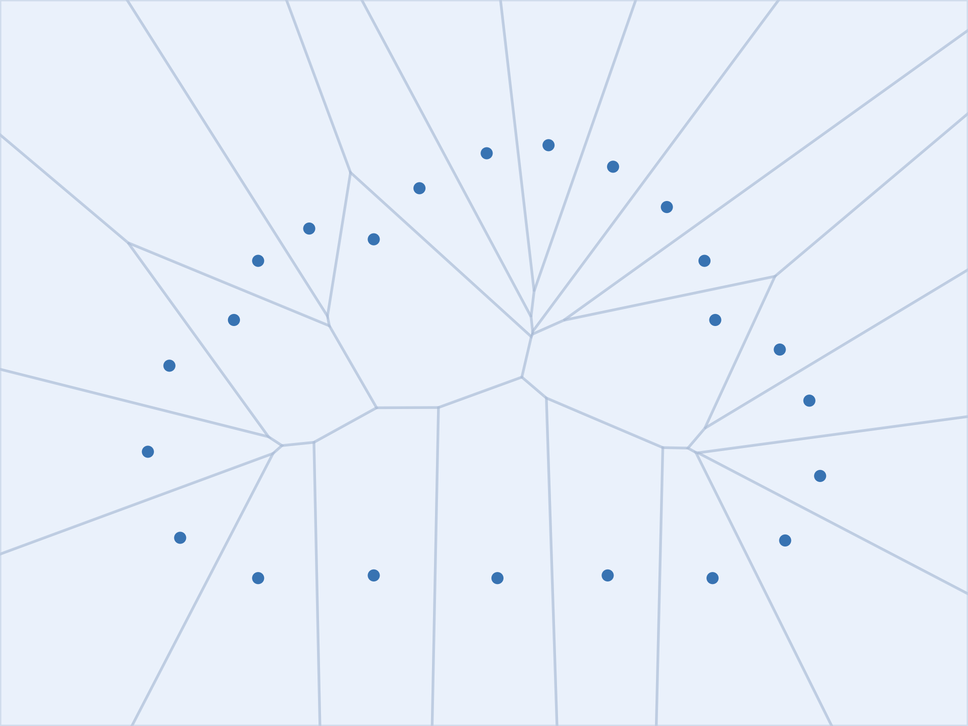

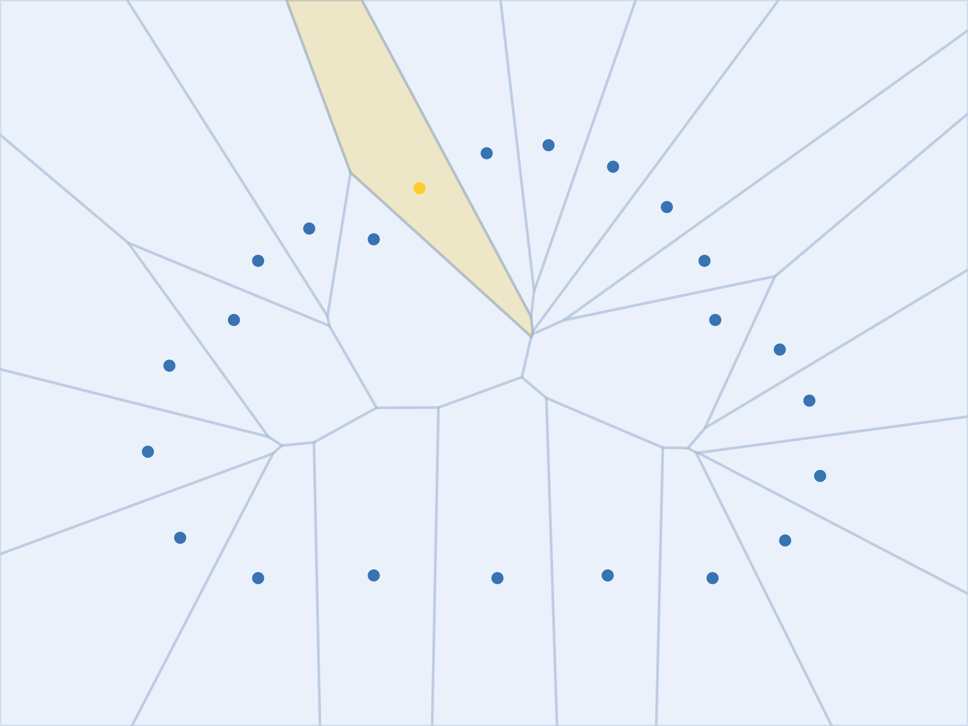

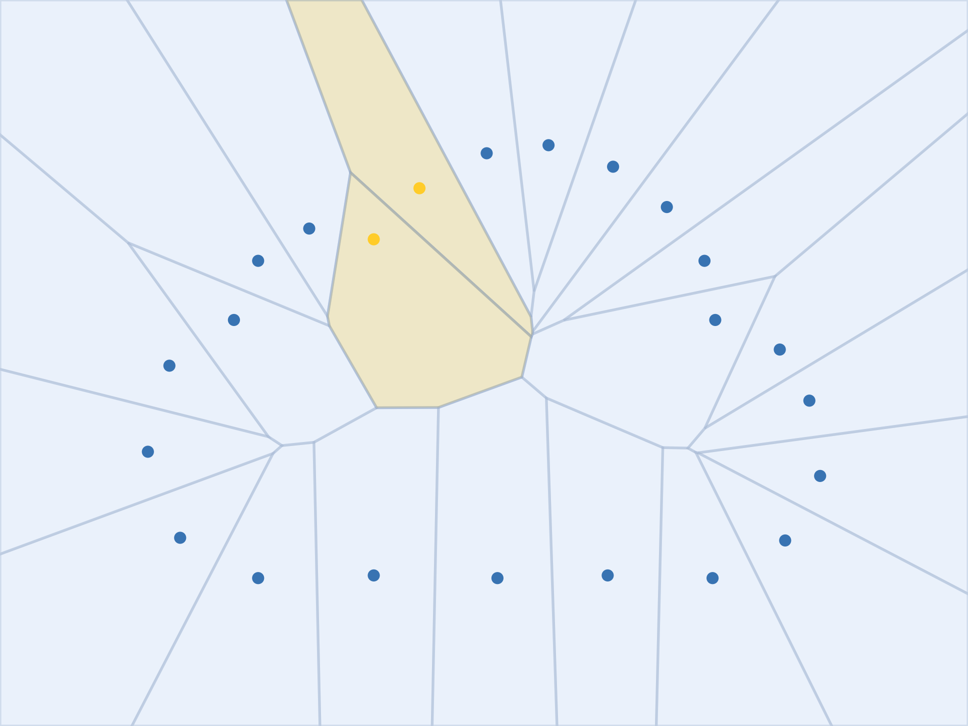

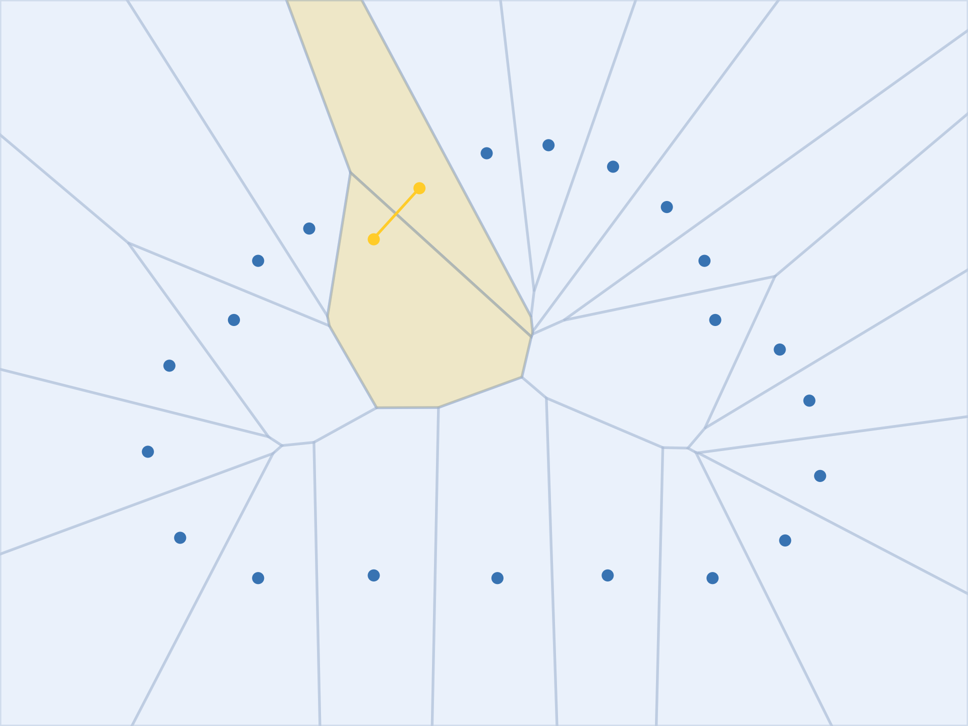

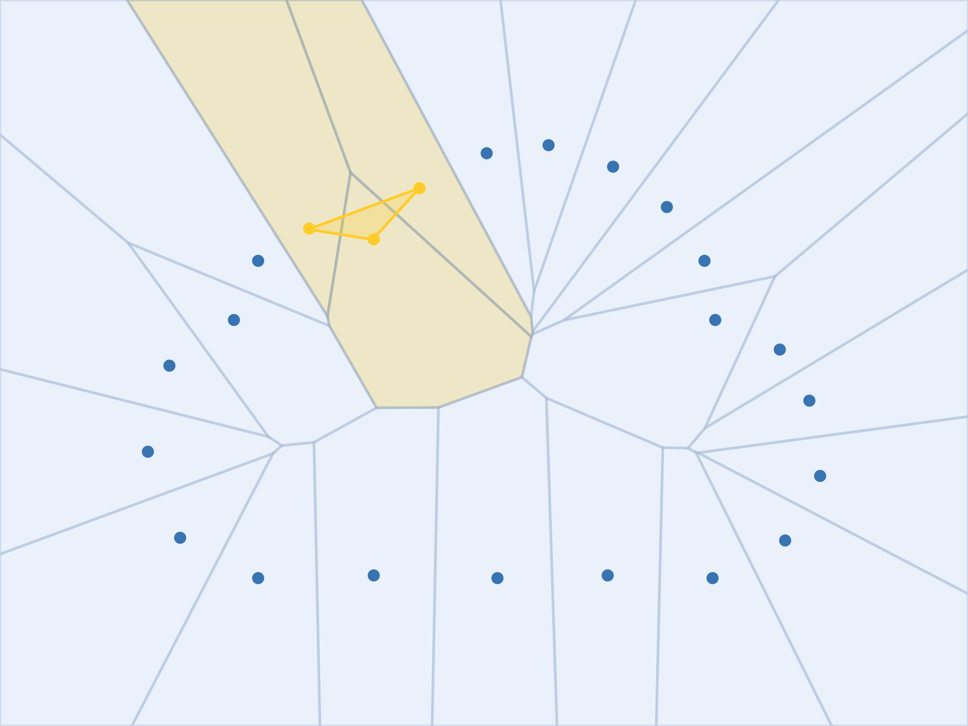

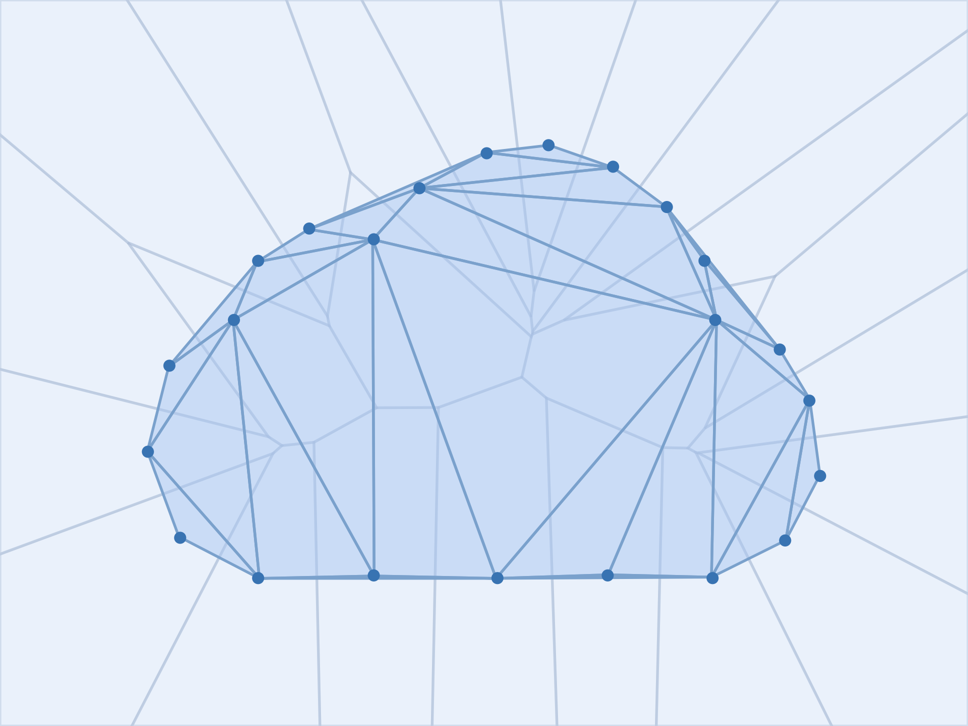

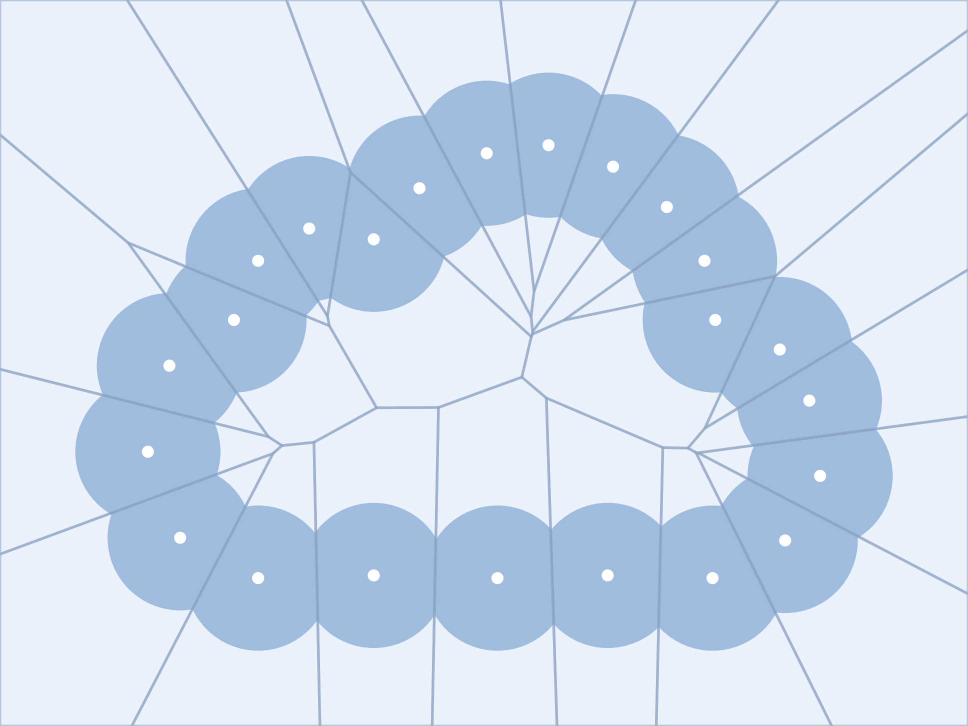

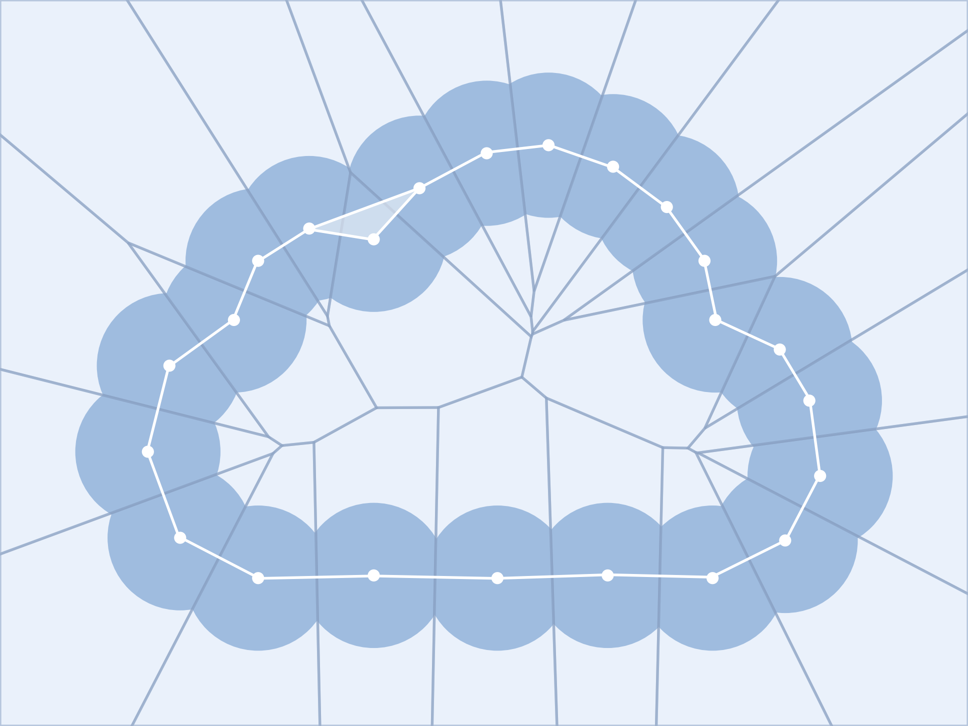

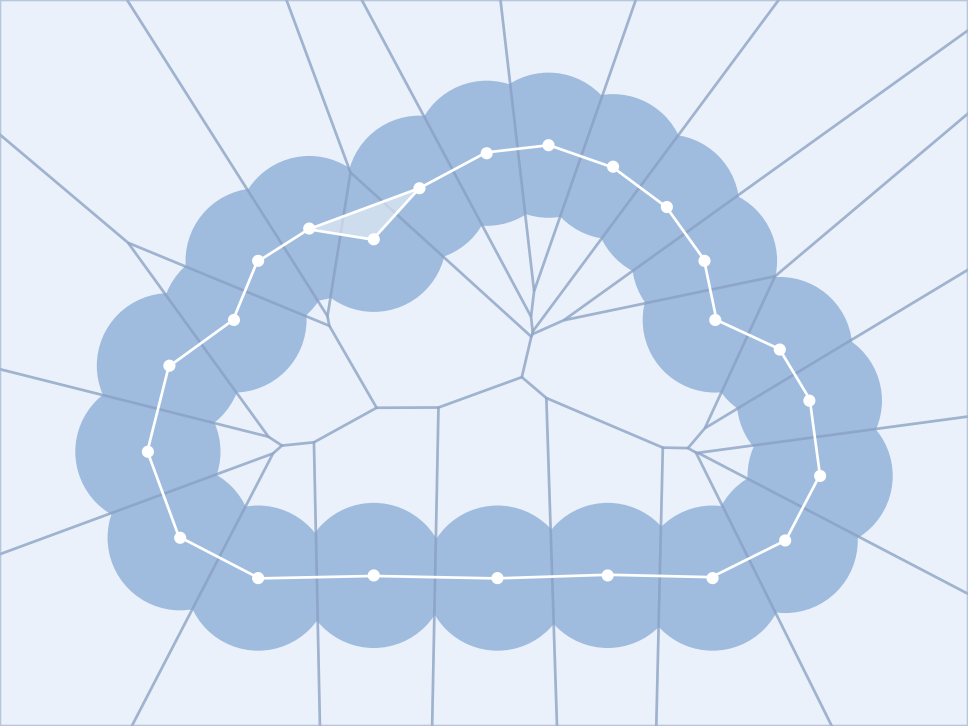

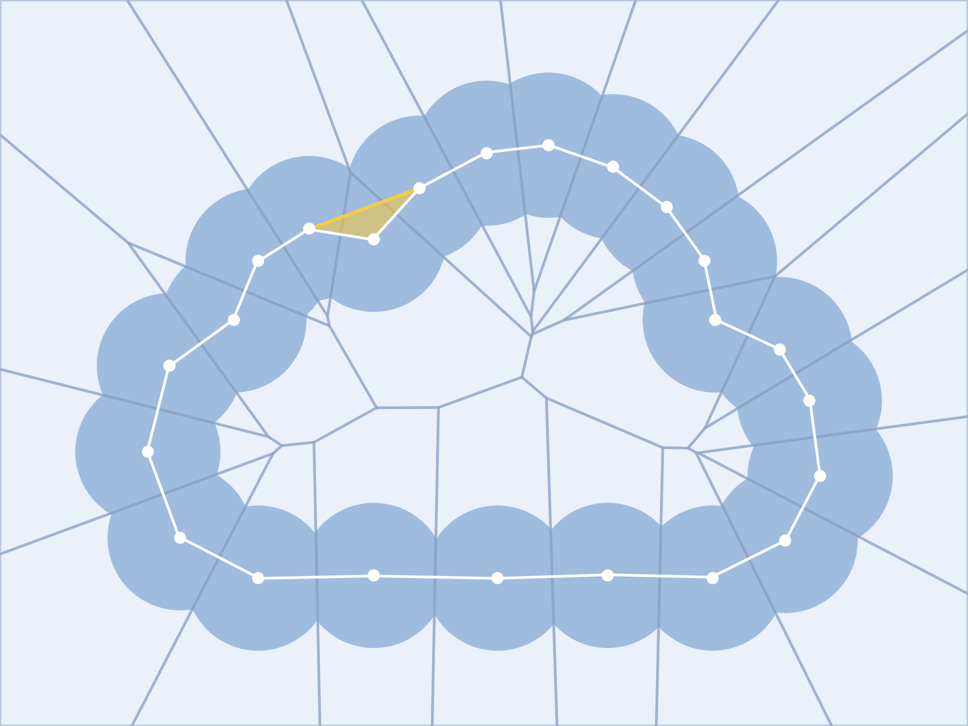

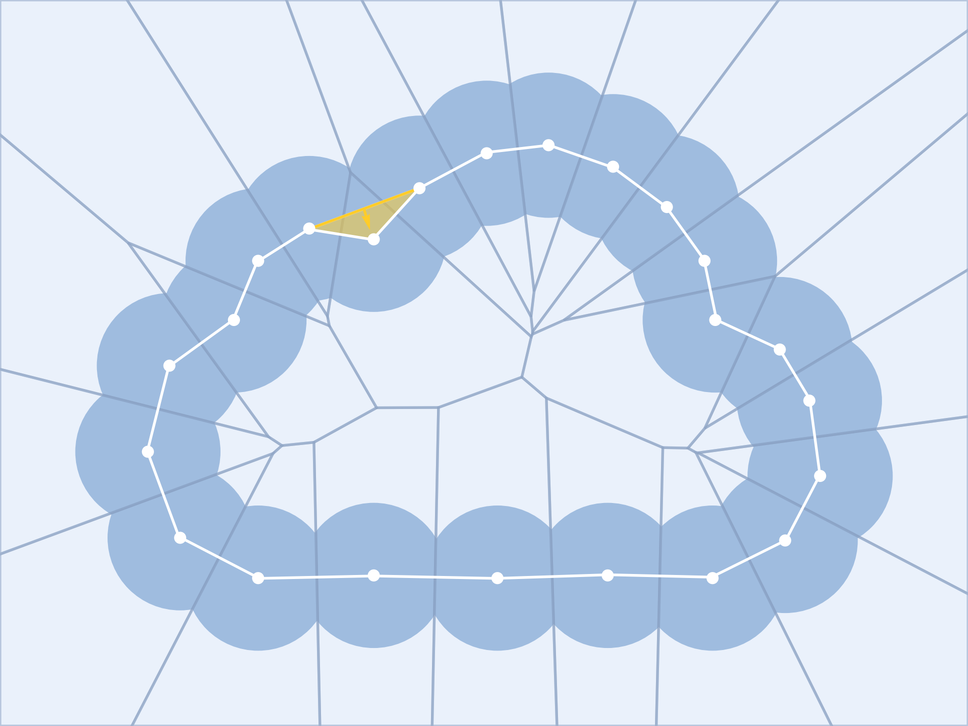

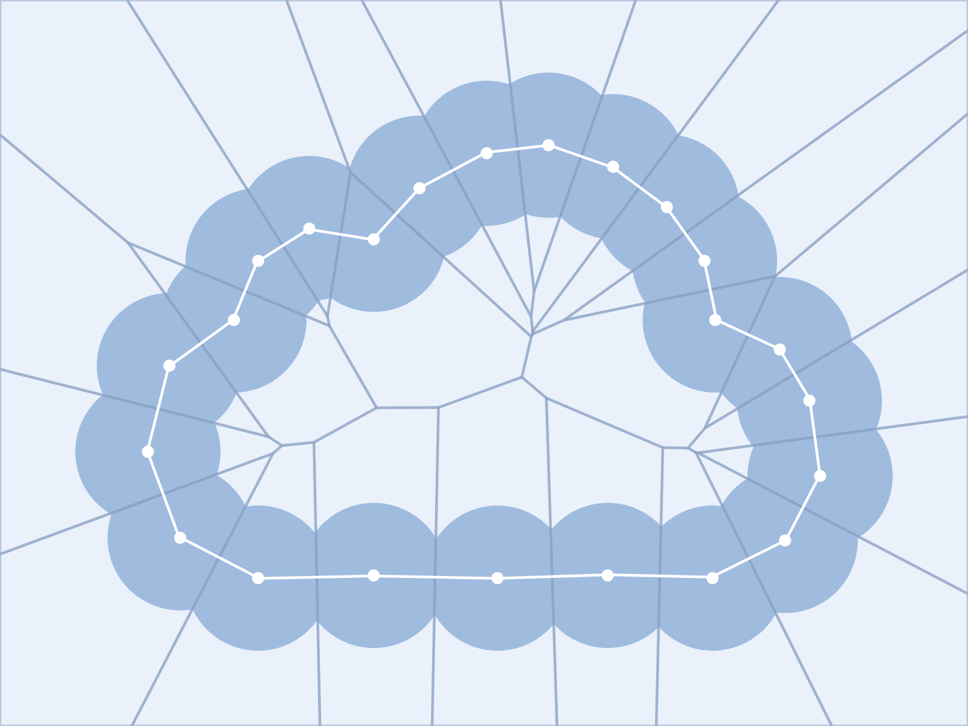

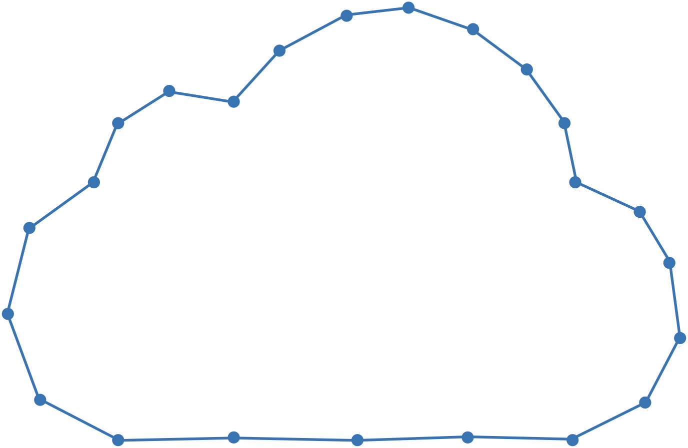

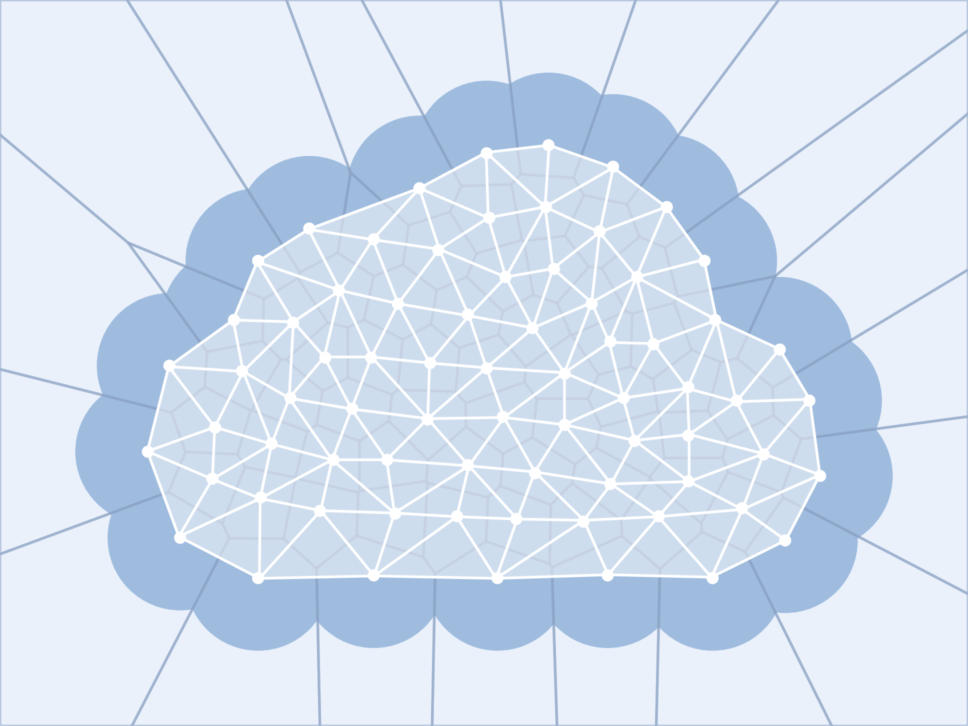

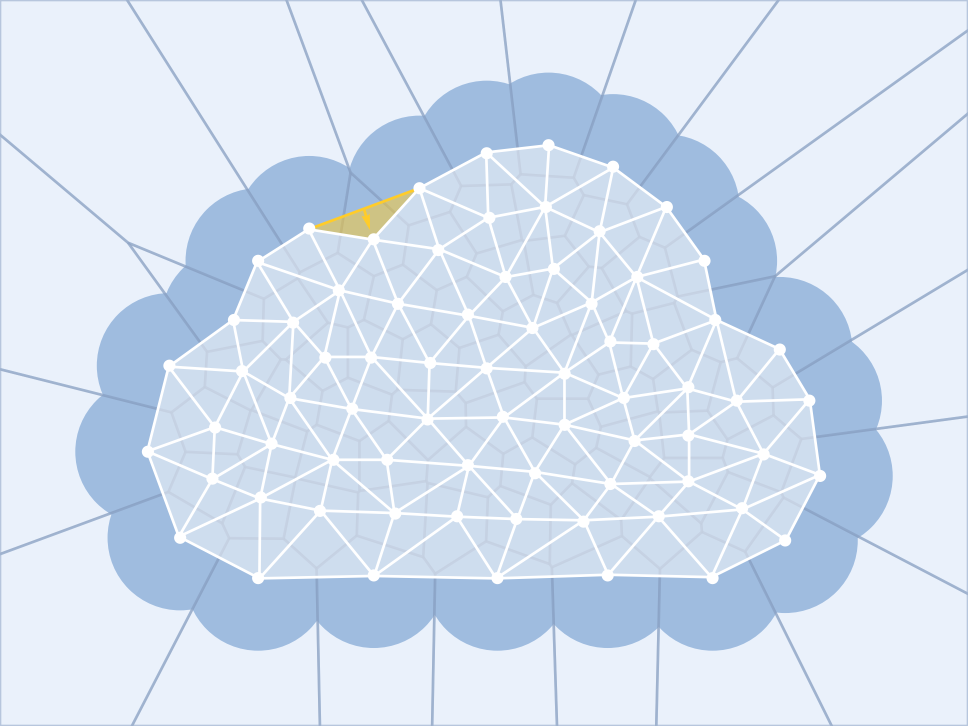

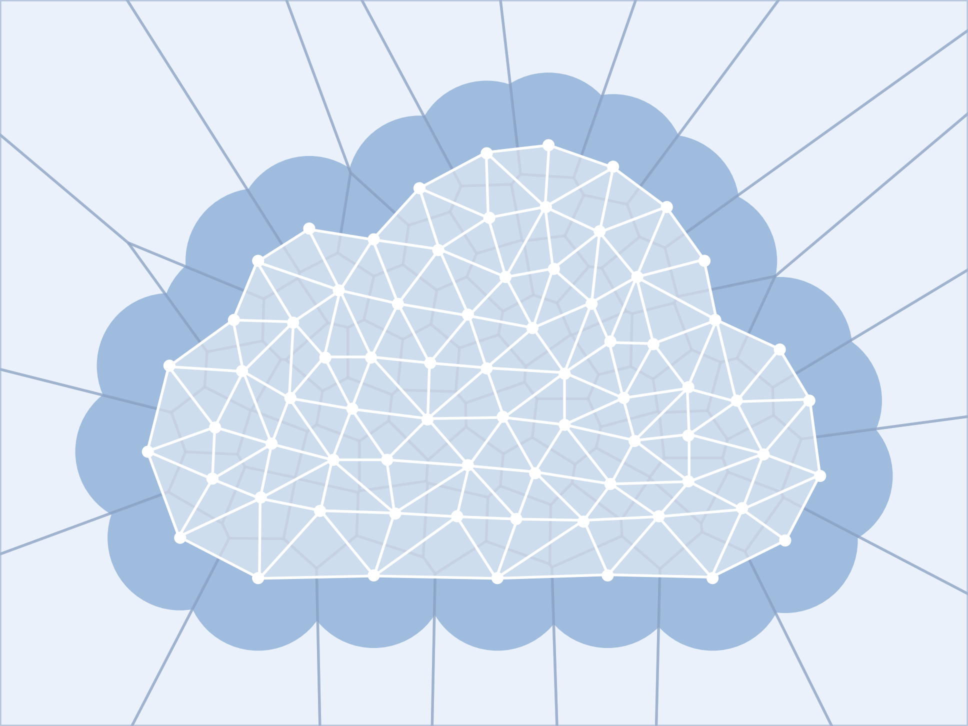

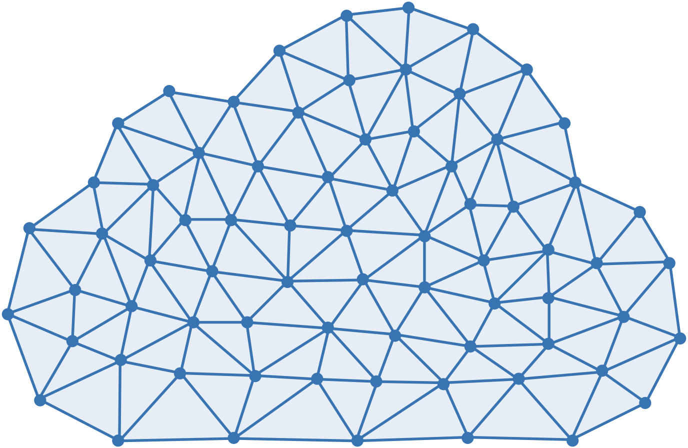

Theorem (B, Edelsbrunner, 2015)

Sei $X \in \mathbb{R}^n$ eine endliche Menge von Punkten in allgemeiner Lage und sei $r \geq 0$. Dann gibt es eine Folge von simplizialen Kollapsen

$$\mathrm{Cech}_r\, X \searrow \mathrm{Del}_r\, X \searrow \mathrm{Wrap}_r\, X.$$

Diese drei Komplexe sind homotopie-äquivalent zu der Vereinigung von Kreisscheiben $B_r\, X$.

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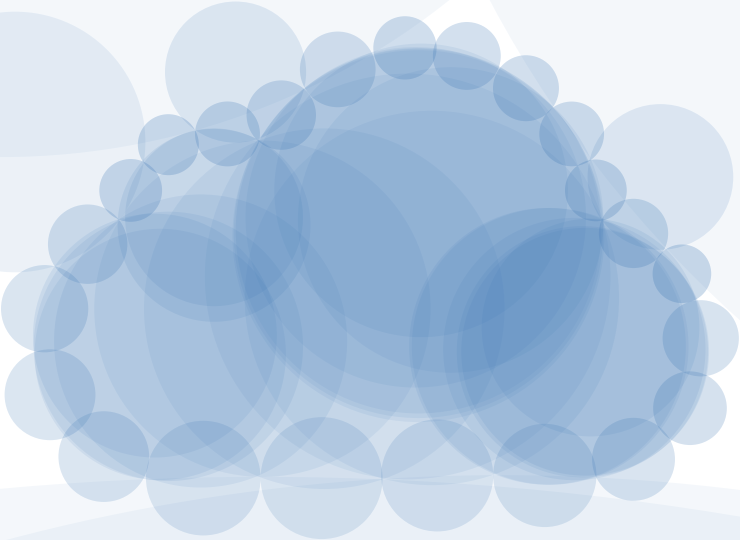
Danke für die Aufmerksamkeit!



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