Elfriede Eggebrecht, during the 1940ies

E. Eggebrecht, during the 1970ies
Gregor von Bochmann, 1886

Hans-Peter Feddersen, early 20th century
Yoshino, Japan, May 2002

Montreal, 2000
About this talk

• Theme: Art ↔ Software Development
  artisan, artist ↔ software engineer

Artisans, artists, software engineers
  – similarities and differences (the importance of inventions)

The activities of a software engineer

Automation of software engineering
  – research objectives
  – intrinsic limitations (the importance of inventions)

Some comments on my research contributions

Conclusions
Mozart’s music
Mozart’s music
Mandelbrot:
convergence of \( f(z) = z^2 + c \)
Equation: \( r = \ln(\phi) \)

Equations
“bird” : \( y = x^{2/3} \)
“heart” : \( y = \text{“circle”} + \text{“bird”} \)
Joan Miro

Joseph Albers
Physics: *Simple explanation of nature*

Maxwell’s equations.

\[
\begin{align*}
\text{div } \vec{D} &= \rho, \\
\text{div } \vec{B} &= 0, \\
\text{rot } \vec{E} &= -\frac{\partial}{\partial t} \vec{B}, \\
\text{rot } \vec{H} &= \vec{J} + \frac{\partial}{\partial t} \vec{D}.
\end{align*}
\]

Einstein’s relativity.

\[E = mc^2\]
Jackson Pollock

Paul Riopelle