

# İSTANBUL ANALYSIS SEMINARS

## VISUALIZATION OF MATHEMATICS BY MEANS OF LINE GRAPHICS

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**Abstract:** In general, there is little understanding of the geometric shapes of mathematical objects and the mathematical community usually does not deal with visual information. Visualization is a very young interdisciplinary field of mathematics. It strongly supports the understanding of mathematical concepts. The geometric shape of a curve or surface can give us better understanding for and feeling of mathematical problems, and, in some cases, even initiates further research. We developed a software package for visualization of different kinds of curves and surfaces. It provides the tools for the creation of the graphics for the visualizations and animations. We use Line Graphics and explain its properties.

**Date:** February 6, 2015

**Time:** 17:00

**Place:** Sabancı University, Karaköy Communication Center  
Bankalar Caddesi 2, Karaköy 34420, İstanbul

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