Oberseminar Numerik

Prof. Dr. Gerald Warnecke
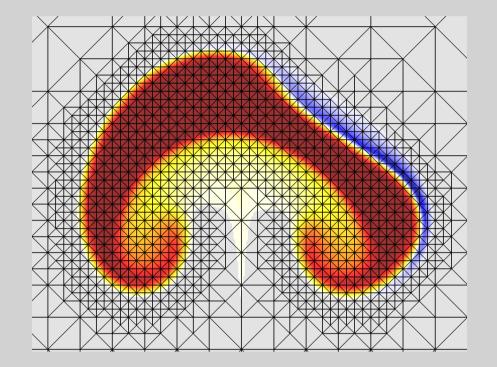### (Otto-von-Guericke Universität Magdeburg)

20.03.24
16:00 Uhr
Hilbertraum (05-432)
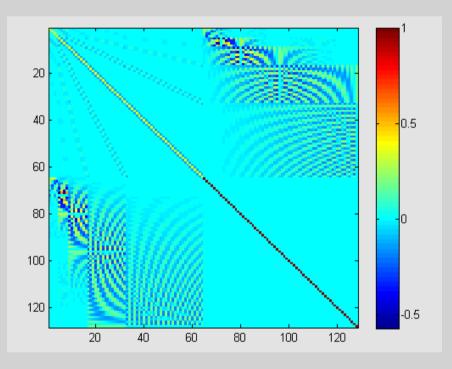Staudingerweg 9, 55128 Mainz

(Kaffee und Kuchen ab 15:30 Uhr)

„C. F. Gauss and Geodesy"

Abstract:

The talk is based on a letter by Gauss to his former student Gerling written in 1823. In it he introduced the Gauss-Seidel method for solving symmetric linear systems of equations obtained from his least squares method for over-determined systems of linear equations. Further, he suggested a way of obtaining least norm solutions to under-determined linear systems. His examples in the letter were based on geodesic survey data. The talk is partly historical and partly mathematical.

The talk may be interesting for students that are planning to become teachers.

Am Anfang des Seminars spielen Sabrina Hummel und Jana Lukacova auf dem Klavier:

Antonin Dvorak: Slavonic dances in c major op.46
Frederic Chopin: Waltzer nr. 15 in e major op.44

Hierzu sind alle herzlich eingeladen.

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