



## Preface

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Electroencephalography (EEG) is an electrophysiological monitoring method to record the electrical activity of the brain. Marion Darbas and Stephanie Lohrengel give an overview about the Mathematical Modelling of EEG based on the classical dipolar source model. The authors present analytical results and numerical tools for the forward and the inverse problem.

Gert Schubring gives a detailed review of Mechthild Koreuber's book: "Emmy Noether, die Noether-Schule und die moderne Algebra". The idea of the book is to understand her life and scientific work as a unity and to examine it as such. In the book the discussion about the prevention of her career because of her discrimination as a woman and as a Jewess is not separated from the presentation of her mathematical achievements.

Lars Olsen uses his review of the book "Fractal Zeta Functions and Fractal Drums" by M. Lapidus, G. Radunović, and D. Žubrinić to recall Riemann's ideas from 1859 to count the number of prime numbers less than a given real number. He then explains how these ideas can be used to develop several natural and important "counting" functions in fractal geometry.

Finally, Michael Usher reviews the book "New Topological Invariants for Real- and Angle-Valued Maps" by Dan Burghelea.

We hope that you enjoy reading this issue.

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