



## Partial Differential Equations Professor Alexander Mielke

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<http://www.wias-berlin.de/people/mielke/teaching.jsp>

Lecture times: Monday 11:00–12:30 h (Room 1.306 in RUD 26)

Thursday 13:15–14:45 h (Room 0.310 in RUD 26)

Exercise group: Monday 13:15–14:45 h (from 15 April to 8 Juli 2019)

Oral exams: July and September/October

## References

- [1] Lawrence C. Evans. *Partial differential equations*, volume 19 of *Graduate Studies in Mathematics*. American Mathematical Society, Providence, RI, 1998.
- [2] Fritz John. *Partial Differential Equations*, volume 1 of *Applied Mathematical Sciences*. Springer-Verlag, New York, fourth edition, 1982.
- [3] Jürgen Jost. *Partielle Differentialgleichungen*. Berlin: Springer, 1998. xi, 289pp. Englische Auflage: [4].
- [4] Jürgen Jost. *Partial Differential Equations*, volume 214 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 2002. Translated and revised from the 1998 German original by the author.
- [5] Michael Renardy and Robert C. Rogers. *An Introduction to Partial Differential Equations*, volume 13 of *Texts in Applied Mathematics*. Springer-Verlag, New York, second edition, 2004.
- [6] Ben Schweizer. *Partielle Differentialgleichungen*. Springer, 2018. Eine anwendungsorientierte Einführung (davon nur Kapitel 1–12).
- [7] Walter A. Strauss. *Partielle Differentialgleichungen (Eine Einführung)*. Vieweg, 1995. (Viele klassische Beispiele).