



Lehrstuhl für Analysis und Modellierung

**Lehrstuhl-Seminar
Wintersemester
2020/2021**

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KIT Karlsruhe

**Variational methods for breather
solutions of Nonlinear Wave Equations**

5. November 2020 - 10:30

WebEx Meeting

Abstract: In my talk I report on recent existence results for real-valued, time-periodic breather solutions of nonlinear wave equations with power-type nonlinearities on the entire space. These solutions are obtained with the aid of variational means. Due to the generality of our setting, we find similar results for breather solutions of fractional or biharmonic wave equations.