



Seminar of the Work Group  
Nonlinear Partial Differential Equations  
WS 22/23

**November 15th, 2022, 14:00 - 15:30**  
**Zoom Link: <http://kit-lecture.zoom.us/j/5732649920>**  
**Meeting Id: 573 264 9920**  
**Seminar room: SR 3.068**

## Quasilinear Maxwell Equations with Anisotropic Material Laws

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### **Abstract**

We consider Maxwell equations with pointwise, fully anisotropic material laws. The characteristic surface is given by the Fresnel surface, which contains conical singularities. We prove Strichartz estimates for Hölder-continuous coefficients, which allows us to solve quasilinear Maxwell equations in the fully anisotropic case for rough initial data.