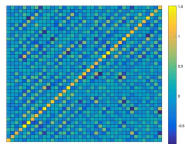
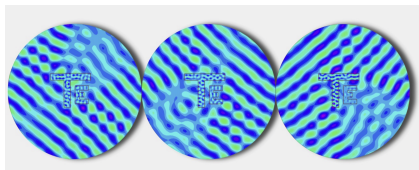
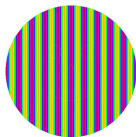


**General Area:** Inverse problems for partial differential equations: determination of coefficients or interfaces from a knowledge of solutions on a manifold. **Subarea:** Inverse Scattering Theory



- Study the properties of the linear and compact scattering operator to uncover nonlinear information on the scatterer. **Non-iterative reconstruction methods**
- In addition it has led to interesting mathematics:  
The **transmission eigenvalue problem** (non-selfadjoint)  
Non-scattering waves and **regularity of free boundaries**

Hobbies .....

