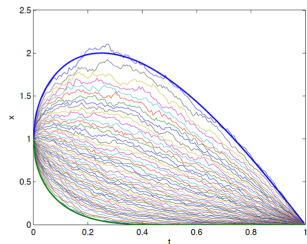
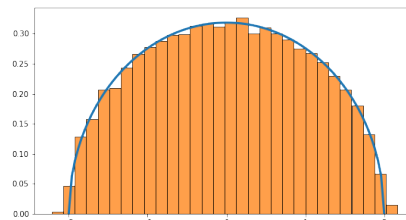


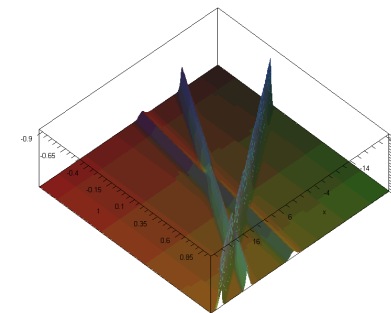
Integrable Systems (Lax pair, ...)



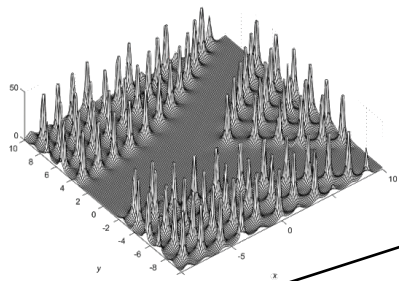
Interacting particles/DPP



RMT

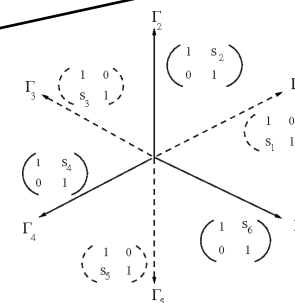


Nonlin. Dispersive PDEs (KdV,...)



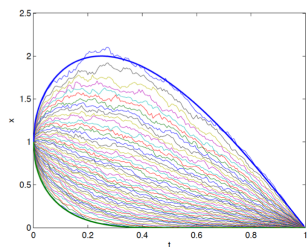
Painlevé eq.'s

**Riemann—Hilbert
Problems**

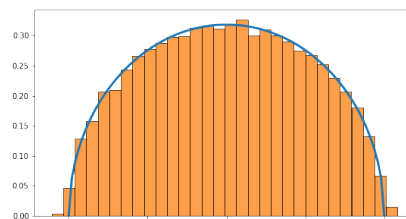


- **Asymptotics:** critical regimes, long-time, large/small gaps, ...
- **Geometrical structures** (τ -function)
- **Universality**

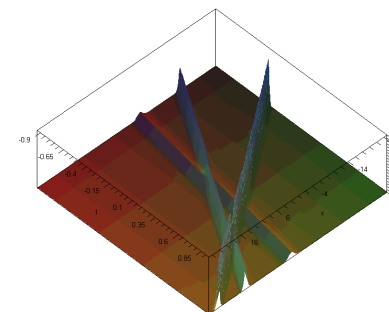
Integrable Systems (Lax pair, ...)



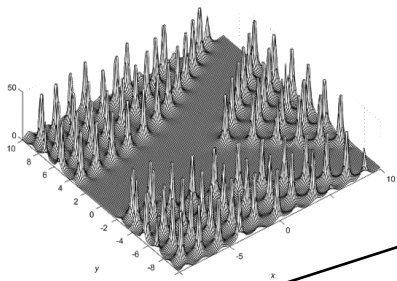
Interacting particles/DPP



RMT

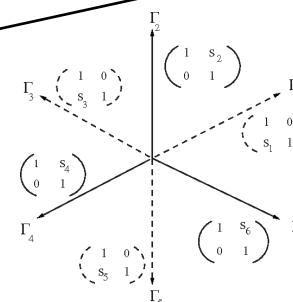


Nonlin. Dispersive PDEs (KdV,...)



Painlevé eq.'s

Riemann—Hilbert Problems



- Asymptotics: critical regimes, long-time, large/small gaps, ...
- Geometrical structures (τ -function)
- Universality

DL Theory (generalization in overparametrized models), Optimization

