

## **Redistribution of Damping in Conservation Laws with Memory**

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### **Abstract:**

The lecture will discuss the construction of BV solutions to systems of conservation laws with memory, in one spatial dimension. A number of examples will be presented, arising in classical physics. The analysis rests on converting a priori estimates from L2 to L1 type, and in devising suitable changes of variables that redistribute damping equitably among the equations of the systems.