

## Beer and Relaxation

### Advanced

- ▶ Around **1970** I was an auxiliary teacher at my old High School, earning some money needed to see me through my study of physics.
  - Just before christmas, I always conducted a lot of "fun" experiments, including an experiment the students did (I provided the material): Measure the decay of the froth on top of a mug of beer.
  - Everbody always got the exponential decay law, learned a bit about relaxation phenomena, and just had plain old fun.
- ▶ Little did I know then that this could have gotten me the **(Ig)-Nobelprize!**
  - Arnd **Leike** of the University of Munich, won the **2002** physics Ig Nobel prize for demonstrating that beer froth obeys the mathematical Law of Exponential Decay. [REFERENCE: "Demonstration of the Exponential Decay Law Using Beer Froth," Arnd Leike, European Journal of Physics, vol. 23, January 2002, pp. 21-26.]  
INTERDISCIPLINARY
  - Here is a link to this [groundbreaking paper](#), showing that relaxation with beer may have more meanings than you would have imagined.