Dror Bar-Natan: **To Do Before I Die** (or retire, or lured into admin again)

I want to write a book; my great masterpiece. It would start from topology, would discover "quantum groups" as a natural consequence, and cleanly implement every single tensor and equation using the "solvable approximations" technique. Many of the tasks are done; many of the chapters are essentially written in my head. It's got a great potential! Yet so many things are still missing.

• **Locate ρ_k.**

• **Figure out traces.**

• **Figure out degree-by-degree constructions, perhaps starting with associators.**

• **Clarify denominators and make the programs truly efficient.**

• **Complete the sl_2 portfolio by including the classical algebra, associators, vertices, the Cartan involution, dequantizators, the EK/Ševera constructions.**

• **A topological interpretation of said portfolio must be found!**

• **Do gl_n and beyond.**

• **Write the damn book!**