Strasbourg Preps

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Idea 1. A Fresh Look at the Aarhus Integral.

Idea 2. LMO for the un-imaginative.

Abstract. The construction of the LMO universal finite type invariant of integral homology spheres, either following the original Le-Murakami-Ohtsuki definition or following the BN-Garoufalidis-Rozansky-Thurston "Aarhus Integral", requires a creative leap; something that is a little more than cooking following a well known recipe. I will try to explain how these creative leaps can be avoided if one holds the right cookbook, with a crucial page about the "projectivization paradigm".

The only problem with this lovely idea is that the math is unsound or at least unbaked. Even when restricted to links with a fixed linking matrix and to the complimentary space of the struts, the Arhus integral is not a graded map.

Idea 3. Some w-Calculations. Perhaps title "10 Equations and a Playground".

See also 2011-05/A Tale of 9 Equations.