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Schramm Loewner Evolution, Conformal welding, and Multifractal spectrum

A few non-equivalent ways of obtaining Schramm Loewner Evolution (SLE) from conformal welding. Some of them are now proven to produce SLE, while the same question about other methods still remain open. We will discuss the two-sided multifractal spectrum as a way of checking the plausibility of the relation of the resulting welded curves and SLE.

This is a joint work with K. Izurov and S. Smirnov.