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Navigator function and the $O(n)$ archipelago

The numerical conformal bootstrap has taught us for the past decade a great deal about conformal field theories. With the increasing complexity of the questions the bootstrap is attempting to answer, inevitably comes a need for improved numerical methods. Up until now, state-of-the-art bootstrap computations involved scans over each scaling dimension and OPE coefficient one was trying to constrain. I will present in this talk the so-called navigator method, which aims to replace the expensive scans by the minimization of a continuous function, the navigator function. I will discuss how one goes about constructing a navigator function, what are its properties, and how one may compute it using standard numerical tools. I will in particular show how the navigator method enables one to efficiently follow a CFT through some external parameter space, using as a test case the d -dimensional $O(n)$ models.