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The holographic Reeh-Schlieder property

Non-interacting quantum fields have good properties at the conformal boundary of Anti-de Sitter spacetimes if their n-point functions satisfy a holographic version of the celebrated Hadamard condition. I will briefly report on the following consequence: it is possible to reconstruct the whole Hilbert space by acting on the vacuum vector with observables supported on the boundary, thus giving rise to what one could call a holographic Reeh-Schlieder theorem (partially based on joint work with Maximilian Duell and Wojciech Dybalski).