What Is Quantum Information Retrieval?

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Abstract. I will introduce the theoretical foundations for quantum information retrieval derived from Quantum Theory.

There will be an explanation of how such a theoretical framework could be useful in IR, for example, by showing how logic, probability, and geometry, as exploited in IR, can be represented in a consistent way in the underlying Hilbert Space.

The talk will conclude with some examples of recent concrete applications of the framework in IR.