

Implicit Computational Complexity and Linear Logic

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The goal of Implicit Computational Complexity (**ICC**) is to characterize complexity classes, independently from any reference to machines, like, for example, Turing machines endowed with a clock.

Restrictions of Linear Logic (**LL**) satisfy the requirements of **ICC** by supplying characterizations of some basic computational classes under the proofs-as-programs paradigm.

The talk is about illustrating some of the contributions to **ICC** by restrictions of **LL**, the focus being on deterministic polynomial computations.