Bachelor's Thesis

Complexity of The Identification

The **problem of Identification** (Ahlswed-Dueck 19898) is investigated from a **complexity** point of view its communication complexity for different regimes (**deterministic**, **randomized**, **one-way**, **two-way**) would be examined and determined. Further a compete **survey on the Communicaiton Complexity** itself for well-known problems (primality check, set intersection, Gap Hamming distance, etc) along with fundamental **lower/upper** bounds on the complexity of a **general communicaion matrix** will be provided.

Prerequisites

Interested student should contact me and send me a **CV** as well as all the academic **transcripts** and **relevant courses** that they have attended.

As well familiarity with the following is required:

1. Basics of **information/identification theory**
2. Basic of **communication complexity**

Advisors

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