

Partial Knowledge Acquisition from a System of other Partial Knowledge

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Knowledge base of many computer aided systems is formed by a system of pieces of partial knowledge. For its application one often needs a piece of partial knowledge, which is not included in the knowledge base. The presentation will describe a possible method of a new piece of knowledge inference in a probabilistic system, where pieces of partial knowledge are represented by low-dimensional probability distributions. The efficient solution will be described within the framework of compositional models.