



基于正交表的支持向量机并行学习算法

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Parallel algorithm of support vector machine based on orthogonal array

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- 摘要
- 参考文献
- 相关文章

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摘要 对大规模训练样本的支持向量机训练问题进行探索,提出了一种基于正交表的并行学习算法.这种方法通过求解一些相互独立的小的训练问题来求解大的训练问题,采用多处理机可求解大规模的训练问题.

关键词: 正交表 并行计算 SVM HBSVM

Abstract: Explores the training problems of support vector machine with large training pattern set, and a new parallel algorithm based on orthogonal array is presented. This method breaks a large training problem into some small independent problems. Then the large problems can be solved via solving those small problems individually. Thus we will be able to use this algorithm and the computer with many CPU to calculate large problems.

Key words: orthogonal array parallel compute support vector machine(SVM) HBSVM

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