论文

CONVERGENCE PROPERTIES OF MULTI-DIMENSIONAL NEAREST NEIGHBOR DENSITY ESTIMATES FOR THE CASE OF GENERAL KERNEL

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摘要　　 In this paper we give weaker conditions to ensure the strong uniform consis-tency of multi-dimensional nearest neighbor (N.N.) estimates with non-uniform kernel and obtain the convergence rates of these estimates on an arbitrary bounded set. The rates can not be improved in some sense. Obviously, the problem of strong convergence rates at a given point is its special case. The range of applications of estimates is extended.

关键词　　 N.N. estimate,convergence rate,bounded s

分类号

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Key words   N.N. estimate   convergence rate   bounded set

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