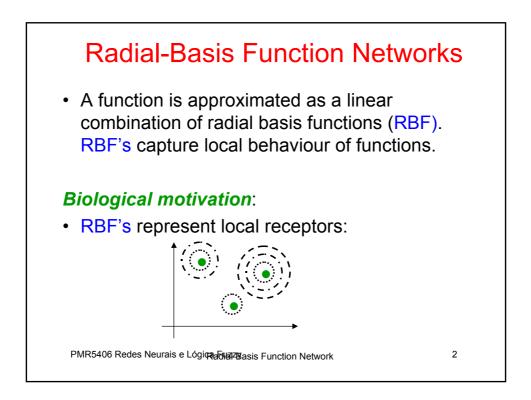
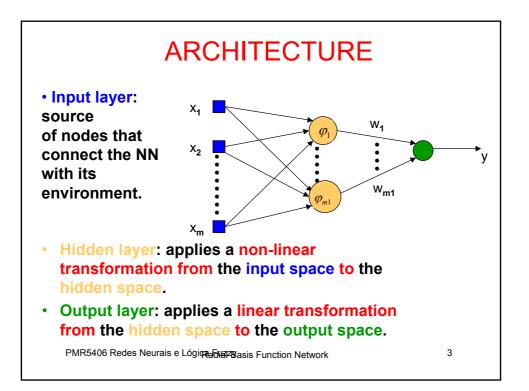
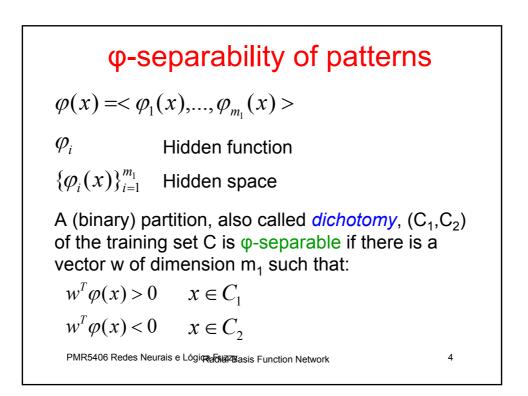
PMR5406 Redes Neurais e Lógica Fuzzy

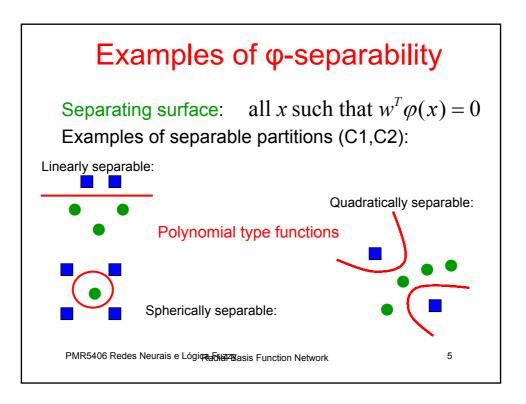
Aula 4 Radial Basis Function Networks

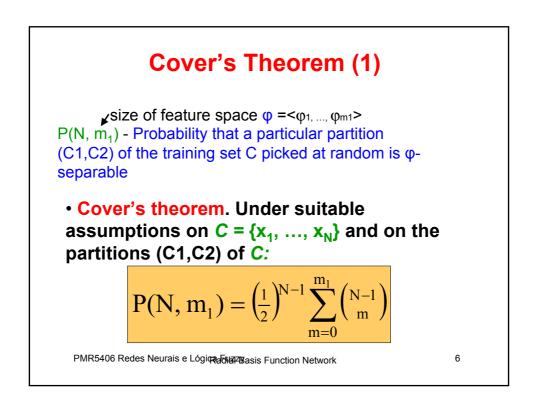
Baseado em: Neural Networks, Simon Haykin, Prentice-Hall, 2nd edition Slides do curso por Elena Marchiori, Vrije University











Cover's Theorem (2)

Essentially P(N,m₁) is a cumulative binomial distribution that corresponds to the probability of picking N points C = {x₁, ..., x_N} (each one has a probability P(C₁)=P(C₂)=1/2) which are φ-separable using m₁-1 or fewer degrees of freedom.

$$P(N,m_{1}) = \left(\frac{1}{2}\right)^{N-1} \left[\binom{N-1}{0} + \ldots + \binom{N-1}{m_{1}-1}\right]$$

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