Using Normalised Radial Based Functions (NRBF's) to Prodict Energy Consumption in the National Grid

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I. INTRODUCTION

II. NETWORK

A. NRBF

Node Activation Equation

$$y = exp(-\frac{1}{2\sigma^2} \sum_{k=1}^{K} (x_k - w_{jk})^2)$$

Root Mean Squar Equation

$$RMS = \sqrt{\frac{1}{M} \sum_{i=1}^{M} (y_{i}^{p} - y_{id}^{p})^{2}}$$

Weight Update Equation

$$W \leftarrow W + \alpha * (target - Networkoutput) * \phi$$

1) Task 1:

2) Tast 2:

B. MLP

1) Task 2:

III. DATA

- A. Data processing methods
- B. Problems with the data

IV. RESULTS

V. CONCLUTION