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Using Back-Propagation (BPN) Neural Networks For Basic Knowledge Of The English Language Diagnosis John Vrettaros1, George Vouros2, Athanasios S. Drigas1 1 N.C.S.R. DEMOKRITOS, Institute Of Informatics And Telecommunications Net Media Lab Ag. Paraskevi, 15310, Athens, Greece May 13th, 2024

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A Hybrid Particle Swarm Optimization-back-propagation Algorithm For Feedforward Neural Network Training Jing-Ru Zhang A,b,\*, Jun Zhang A, Tat-Ming Lok C, Michael R. Lyu D A Intelligent Computing Lab, Hefei Institute Of Intelligent Machines, Chinese Academy Of Sciences, P.O. Box 1130, Hefei, Anhui 230031, China May 17th, 2024

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