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Novel results on bifurcation for a fractional-order complex-valued neural network with leakage delay

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Highlights of "Novel results on bifurcation for a fractional-order complex-valued neural network with leakage delay"

1) The first attempt is made to deal with the stability and bifurcation in a delayed fractional complex-valued NNs with leakage delay.

2) The conditions of appearance of Hopf bifurcation for the proposed NNs are established.

3) The influence of leakage delay on the bifurcation of such NNs is deeply revealed. It is illustrated that the stability performance of the presented NNs is markedly weakened by leakage delay.

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