## Accepted Manuscript

Bifurcation analysis in a delayed fractional neural network involving self-connection

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 PII:
 S0925-2312(18)30752-5

 DOI:
 10.1016/j.neucom.2018.06.016

 Reference:
 NEUCOM 19694



To appear in: *Neurocomputing* 

Received date:14 November 2017Revised date:8 May 2018Accepted date:20 June 2018

Please cite this article as: Chengdai Huang, Zhouhong Li, Dawei Ding, Jinde Cao, Bifurcation analysis in a delayed fractional neural network involving self-connection, *Neurocomputing* (2018), doi: 10.1016/j.neucom.2018.06.016

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## Highlights

- System parameter-induced bifurcation criteria are precisely established for a fractional delayed neural network.
- Effects of fractional order on bifurcation are numerically illustrated via prudential computation.
- Bifurcation diagrams are elaborately plotted.

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