

บทความ **Global exponential stability of Clifford-valued neural networks with time-varying delays and impulsive effects**

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Chaouki Aouiti · Farid Touati

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Published: 31 May 2022

# Global Dissipativity of Quaternion-Valued Fuzzy Cellular Fractional-Order Neural Networks With Time Delays

Chaouki Aouiti  & Farid Touati

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## Abstract

This article deals with the global dissipativity of Quaternion-Valued Fuzzy Cellular Fractional-Order Neural Networks (QVFCFONNs). The model is solved by separating it into four real-valued parts, forming an equivalent real system according to Hamilton's multiplication rules.

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## Sections

## Figures

## References

## Abstract

## Introduction

## Assumptions, Definitions and Technical Lemmas

## Main Results

### Numerical Examples

## Conclusion and Future Developments

## References

### Author information

### Additional information



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