

บทความ Synchronization of Fractional Order Fuzzy BAM Neural Networks With Time Varying Delays and Reaction Diffusion Terms ถูกอ้างอิงใน วารสารที่อยู่ในฐานข้อมูลที่ กพอ ยอมรับ 1 ครั้ง (20 October 2022)

The screenshot shows a web browser window displaying a ResearchGate profile page. The browser's address bar shows the URL: <https://www.researchgate.net/profile/Porpattama-Hammachukiattikul/stats/citations/all>. The page content includes two publication entries, each with a notification icon and the text "Your publication has 1 new citation".

The first publication is titled "Synchronization of Fractional Order Fuzzy BAM Neural Networks With Time Varying Delays and Reaction Diffusion Terms". Below the title, there is a snippet of text: "... Definition 1 (see [29]). ...". The publication details are: Article, Full-text available, Oct 2022 · MATH PROBL ENG, authored by Hamed Alsulami · M. Syed Ali · M. Hymavathi · Tareq Saeed · Ahmed Alsaedi. A "View" link is present below the authors.

The second publication is titled "Synchronization of Fractional Order Uncertain BAM Competitive Neural Networks". Below the title, there is a snippet of text: "... Property 2 (see [9]). For any constants $k_1, k_2 \in (0, 1)$, and two".

The browser's taskbar at the bottom shows the system tray with a temperature of 29°C, a search bar, and various application icons. The system clock indicates the time is 10:50 PM on 4/19/2023.

Mathematical Problems in Engineering

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Mixed \mathcal{H}_∞ and Passivity Analysis of Delayed Fractional-Order Complex Dynamical Networks with Hybrid Coupling

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Abstract

In this article, global asymptotic stability analysis, and mixed \mathcal{H}_∞ and passive control for a class of control fractional-order systems is investigated. Based on the fractional-order Lyapunov stability theorem and some properties of fractional calculus, we propose sufficient conditions to ensure the mixed \mathcal{H}_∞ and passivity performance. More relaxed conditions by employing the new type of augmented matrices by using Kronecker product terms can be handled, which can be introduced. The derived criteria are expressed in terms of linear matrix inequalities that which can be checked numerically using toolbox MATLAB. Finally, two numerical examples are provided to demonstrate the correctness of the proposed results.

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