TIGHT FRAMELET PACKETS ON LOCAL FIELDS OF POSITIVE CHARACTERISTIC

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Abstract. An important tool for the construction of tight wavelet frames on local fields of positive characteristic with the help of unitary extension principles was presented by Shah and Debnath [Tight wavelet frames on local fields, Analysis, 33 (2013), 293–307]. In this paper, we continue the study based on the extension principles and give an explicit construction of a class of tight framelet packets on local fields of positive characteristic.

Keywords and phrases: Wavelet, tight wavelet frame, framelet packet, local field, extension principle, Fourier transform.

REFERENCES


