

## **FRAMES, WAVELET COEFFICIENTS AND MATRIX OPERATORS**

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### **Abstract**

We study the action of bounded operator induced by infinite matrix on  $f \in L^2(\mathbb{R})$  and on its wavelet coefficients. We find the frame condition for bounded operator induced by infinite matrix on  $f \in L^2(\mathbb{R})$  whose wavelet series expansion is known.

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