Reduction of Computational Complexity

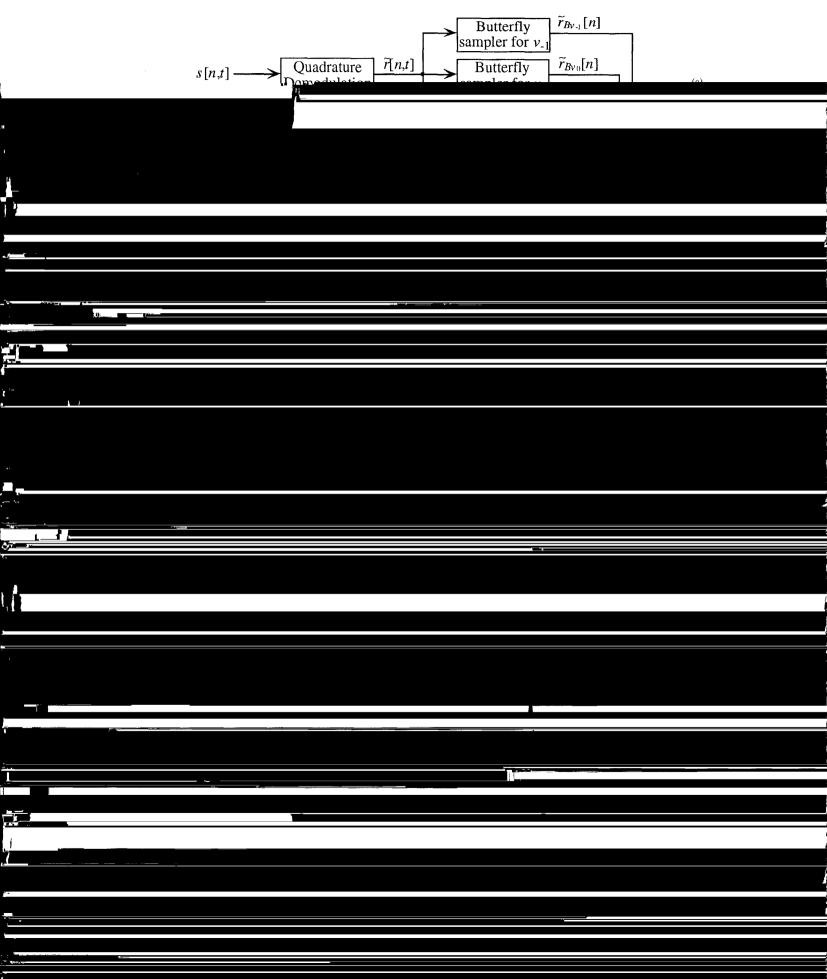
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IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, VOL. 43, NO. 7, JULY 1996

	$0 \xrightarrow{\mathbf{v}_0} \xrightarrow{\mathbf{v}_0}$	direction of scatterer movement / ,fast time / (range) t	r(n,t)		$\longrightarrow r_{B_{o}}[n]$
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2) Premultiplication by Complex Exponential: The simpli-

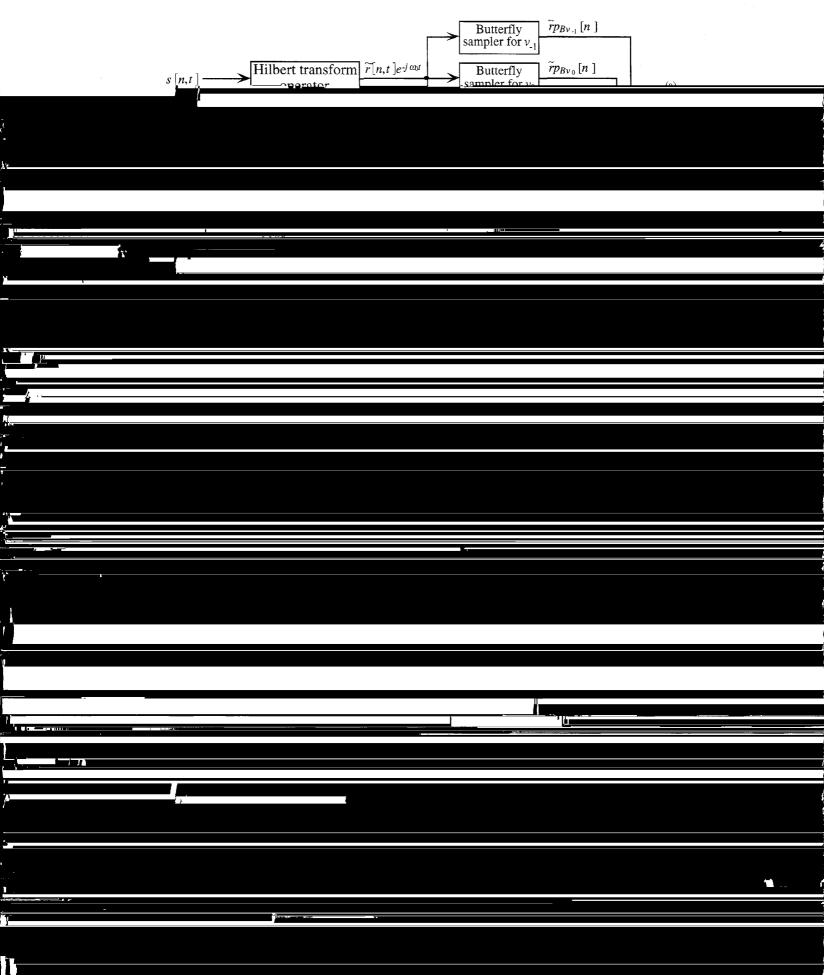
Thus, the correspondence detector is greatly simplified

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fication in L(v) can be done by rewriting both its numerator in the premultiplied butterfly search method. In this new

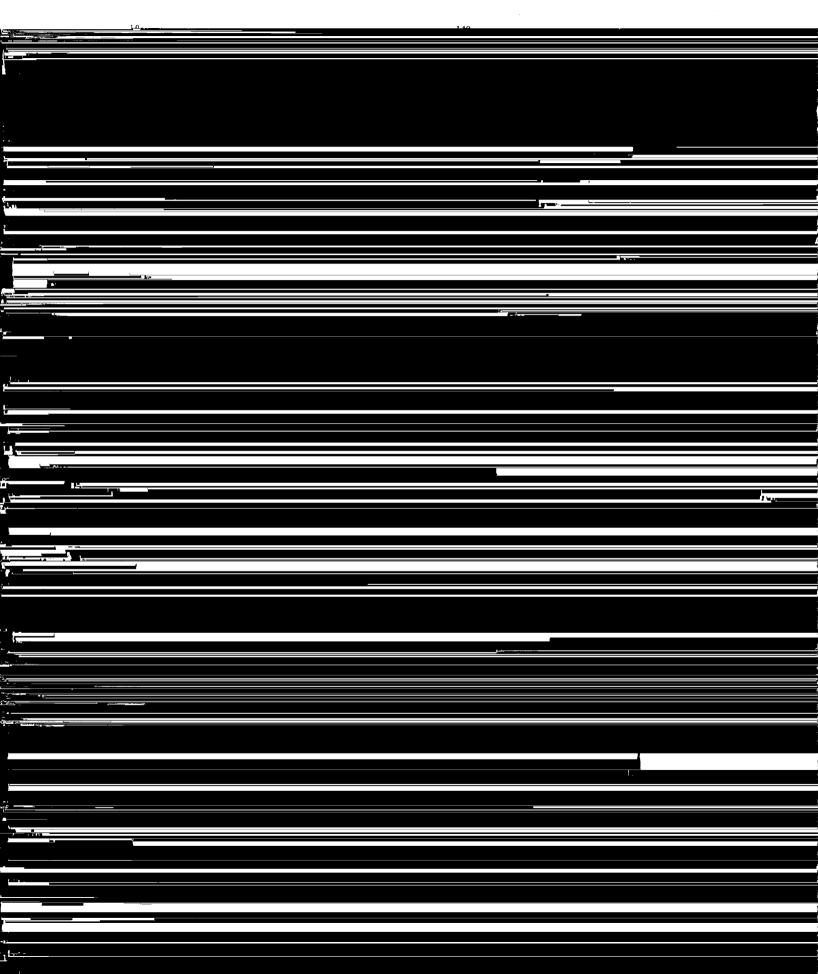
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ALAM AND PARKER: REDUCTION OF COMPUTATIONAL COMPLEXITY IN THE BUTTERFLY SEARCH TECHNIQUE

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