cases	doc_1		doc_2		decision	id
			authors	• S. Zubin Gautam	DUPLICATES	235
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	id	id5871120789058658179	**abstract**	Using a variant of the Sobolev Embedding Theorem, we prove an uncertainty principle related to Gabor systems that generalizes the Balian-Low Theorem. Namely, if fâ^ H^p/2() and fÌ‚â^ H^p'/2() with 1<p<â^ž, 1/p+1/p'=1, then the Gabor system G(f,1,1) is not a frame for L^2(). In the p=1 case, we obtain a generalization of a result of Benedetto, Czaja, Powell, and Sterbenz.		
	abstract	Using a variant of the Sobolev Embedding Theorem, we prove an uncertainty principle related to Gabor systems that generalizes the Balian-Low Theorem.	**versions**			
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