	doc_1		doc_2		decision	id
	authors	M. Dorodnyi T. Suslina	authors title	Mark Dorodnyi Tatiana Suslina		
				Homogenization of hyperbolic equations with periodic coefficients		
	title	Homogenization of hyperbolic equations with periodic coefficients	publication_date	2016-06-19 13:27:50+00:00		
	publication_date	2016-06-19 00:00:00	source	SupportedSources.ARXIV		
	source	SupportedSources.SEMANTIC_SCHOLAR	journal	None	DUPLICATES 86	
	journal	arXiv: Analysis of PDEs	volume			
	volume		doi			
cases	doi	https://www.semanticscholar.org/paper/7aa66b7786bee542c3afed84f2c55fbc00956241	_	 http://arxiv.org/pdf/1606.05868v1 http://arxiv.org/abs/1606.05868v1 		ES 86
	urls id	id2794005982141959912	urls	• http://arxiv.org/pdf/1606.05868v1		
	Id		id	id6618946359099955088	-	i
	abstract	In $L_2(\mathbb{R}^n)$ we consider selfadjoint strongly elliptic second order differential operators \mathbb{R}^n warepsilon with periodic coefficients depending on \mathbb{R}^n varepsilon, \mathbb{R}^n warepsilon of the operator cosine \mathbb{R}^n (mathbar \mathbb{R}^n) warepsilon tau), \mathbb{R}^n for small varepsilon. Approximations for this operator in the \mathbb{R}^n for small varepsilon. Approximations for this operator in the \mathbb{R}^n warepsilon of the cauchy problem for the hyperbolic equation \mathbb{R}^n warehold of the solution \mathbb{R}^n warepsilon of the Cauchy problem for the hyperbolic equation \mathbb{R}^n warehold of the acoustics equation and the system of elasticity theory.	abstract	$\label{limits} In $L_2(\mathbb{R}^{\circ})$ we consider selfadjoint strongly elliptic second order differential operators ${\mathbb{R}^{\circ}}$ we the periodic coefficients depending on ${\mathbb{X}^{\circ}}$ varepsilon$, $\operatorname{\mathbb{R}^{\circ}}$, $\operatorname{\mathbb{R}^{\circ}}$ in \mathbb{R}°, $\operatorname{\mathbb{R}^{\circ}}$ in \mathbb{R}° in \mathbb{R}°. Approximations for this operator in the $(H^{\circ} \times L_2)$-operator norm with a suitable s are obtained. The results are used to study the behavior of the solution ${\mathbb{R}^{\circ}}$ in \mathbb{R}° in \mathbb{R}° in \mathbb{R}° in \mathbb{R}°. General results are applied to the acoustics equation and the system of elasticity theory.$	1	
			versions		Ī	ı