



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	2013_BJMCS_6691
Title of the Manuscript:	A Nonlocal Boundary Value mixed Problem for second-order hyperbolic-parabolic equations in nonclassical function spaces
Type of the Article	Research Paper

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	analysis method to prove the existence and uniqueness of solution for an initial boundary value problem supplemented with two classical conditions and an integral weighted condition. Important remarks: 1) Problem (1.1)-(1.7) is not well posed (there should be no more than two boundary conditions, the author has supplemented his problem with three boundary conditions) 2) The integral condition (1.7) or (2.6) should not be a weighted condition (the weight x should not be there, since the author used in all his calculations a non weighted condition). 3) Most of the computed integrals in section 3 and section 4 are wrong. Take as an example equation (3.10) in section 3 which should be	



SDI Review Form 1.6

	$ \begin{aligned} - \int_{\Omega_\tau} \frac{\partial}{\partial x} \left(a(x, t) \frac{\partial z}{\partial x} \right) \frac{\partial z}{\partial t} dx dt &= \frac{1}{2} \int_0^\ell a(x, \tau) \left(\frac{\partial z(x, \tau)}{\partial x} \right)^2 dx - \frac{1}{2} \int_0^\ell a(x, 0) \left(\frac{\partial \varphi_1}{\partial x} \right)^2 dx \\ &\quad - \frac{1}{2} \int_0^\tau a(x, 0) \left(\frac{\partial z(0, t)}{\partial x} \right) \left(\frac{\partial z(0, t)}{\partial t} \right) dt \\ &\quad - \frac{1}{2} \int_{\Omega_\tau} \frac{\partial a(x, t)}{\partial t} \left(\frac{\partial z}{\partial x} \right)^2 dx dt. \end{aligned} $ Take an other example of wrong equations in section 4 as (4.7) and many many others. 4) All estimations: (3.16) to (3.20) are wrong. 5) Almost the same problem was studied by Bouziani Abdelfatah, ON THE SOLVABILITY OF PARABOLIC AND HYPERBOLIC PROBLEMS WITH A BOUNDARY INTEGRAL CONDITION, IJMMS 31:4 2002, 201-213 (See equations: (1.4)-(1.6). In addition to the above remarks, the author has not payed any attention on writing and typing the paper (there are many many mistakes). I think that the present paper does not deserve to be published in British Journal of Mathematics & Computer Science.	
Minor REVISION comments		
Optional/General comments		

Note: Anonymous Reviewer