



SDI Review Form 1.6

PART 1:

Journal Name:	<u>Physical Review & Research International</u>
Manuscript Number:	2013_PRR1_4043
Title of the Manuscript:	A Fast and Simple Algorithm for Detecting Large Scale Structures
Type of the Article	Case study

General guideline for Peer Review process is available in this link:

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

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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	The paper investigates the possibility to detect large scale structures using the potential field determined by clusters of galaxies. Clusters are taken from the GMBCG catalog based on photometric redshifts of the SDSS DR7 data. Author compares his method with results found using the density field method and finds good correlation. I suggest the paper for publication after some improvement of the text. The gravitational potential for the real Universe has been derived before, thus I suggest to add references to some earlier work: Bertschinger et al. 1990, ApJ 364, 370; Peacock 1991, MNRAS 253, 1P; Gramann et al. 1992, MNRAS 254, 453; Vogeley et al. 1992, ApJ 391, L5; Courtois et al. 2012, ApJ 744, 43. In these papers either the potential field was determined directly, or used to calculate the power spectrum of galaxies; the technical problems are similar. Thus I suggest to compare the method used by the author with methods used by other investigators.	



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<u>Minor</u> REVISION comments	The text is written in a strange way almost without any paragraphs. To make the paper more readable please divide the text into logically compact paragraphs as usual in scientific papers.	
<u>Optional/General</u> comments		

Note: Anonymous Reviewer