



SDI Review Form 1.6

PART 1:

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	2013_BJMCS_5252
Title of the Manuscript:	Transform of various Random Noises in sequences of proved random numbers
Type of the Article	Research Paper

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.



SDI Review Form 1.6

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)
Compulsory REVISION comments	- In page 3, line 7, “ and defined defined on And let be $y_n \dots$”, there is duplicate word defined and “let be” two verb in it. - In page 5, line 6, $mes_1 \{ \theta \in \Theta \theta_1 \dots \}$, It seems to star from θ_0. The index should be check carefully in whole paper. - In page 5, Theorem 2 $P_{X_n}(B_o) \dots$, But Remark 1.1 said $P_{X_n}^{\theta(w_a)}(B_o) \dots$, The symbol should be consistent. - Remark 1.1 set $e = \dots$. The “e” usual be the exponent; I will confuse with example then $1 - e^{-1012610}$. - In page 6, line -18, $I = [c, c' \cap \{0, 1, \dots, m-1\}]$. There are 2 “[“ should be correct. And ’ ’ should be consistent. - In page 7, line 11, “IID” typing error. - Example 3.1 seems to be a theorem. And then $P\{E\} \dots P\{E_s\}$, $E, \otimes$ should be explain. In addition, “Etc.” typing error. - Page 10, Notations 4.3 Let $I_t = [k_t/2^q, k_t'/2^q]$, There are 2 “[“. Is the second one be ? 6.1, line 9, Therefore we have indeed $P_e(Y_n \in E)$ Upper case Y_n should be lower case y_n. - Page 13, theorem 2 is the most import	Page 2 : I replace "Central Limit Theorem" by "Central Limit Theorem (CLT)" . Page 3, line 7 : I replace "de_ned on a probability space (;A; P) and let be $y_n = Y_n(!) \dots$" by " de_ned on a probability space (;A; P). Let....." . In page 5, theorem 2, I replace $PX_n(Bo)$ by $PX_n(Bo)$ In Remark 1.1 : I replace e by f. Page 7, line 11, I replace IID by IID. In Example 3.1, I replace "Let Te be a test in order to know if a sequence y_n admits a random sequence $Y_n, n = 1; 2; \dots; n_l$ as model." by "Let Te be a test in order to test the hypothesis << the sequence y_{1n}, $n = 1; 2; \dots; n_l$, is a realization of the sequence of random variables $Y_1, n, n = 1; 2; \dots; n_l$; >>." 6.1 line 9 We replace $Pe(Y_n \in E)$ by $Pe(y_n \in E)$ Page 13, Proof of theorem 2 : We write "the previous results hold for various b.



SDI Review Form 1.6

	theorem; $b = \sqrt{3N[\text{Log}(N)N = q} \dots$ should prove theorem 2 clearly and explain what “e” means.	Then, we can choose....." Lemma 4-1 : I add : "it is enough to use the CLT". Moreover, a list of Symbols is added : section 1.6
Minor REVISION comments	11. In page 2, Central limit theorem (CLT); Add (CLT) for page 11 usage. 12. The mathematical symbol should better be present in Italic and clearly. 13. In page 3, Notations 1.4, is y', y' the same? ' ' should be consistent. 14. There are too many symbol in this paper; so I suggest that authors create a notation table, list all symbols they used and explain the symbols. 15. Lemma 4.1 should prove $\Gamma_1(b) = \text{Max}_{n \geq h_0} (\text{Pr oba}\{ S_n^\varepsilon \geq b\})$ clearly.	
Optional/General comments	The authors using Fibonacci congruences transformed sequences of noises y_n such that the conditional probabilities have Lipschitz coefficients not too large. In this paper, the authors widespread this technique to any possible noises and proved their technique is work. The paper is well organized and the idea is useful. The proposed method is well motivated and seems applicable. But, some problem should be consideration:	I agree with comments of reviewer