SDI Review Form 1.6

Journal Name:	**British Journal of Mathematics & Computer Science**
Manuscript Number:	**2014_BJMCS_15700**
Title of the Manuscript:	**On Projectively Related Kropina Metric**
Type of the Article	

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.
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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)*
Compulsory REVISION comments	**Report on "On Projectively Related Kropina Metric"** Many papers about the projectively related (α, β)-metrics have been published in recent years. Kropina Metric is a special class of (α, β)-metrics. In this paper, the author mainly proved that two Kropina Metric are projectively related if and only if they have the same Douglas tensor and the corresponding Riemannian metrics are projectively related(Theorem3.2). Moreover, Kropina Metrics of constant flag curvature are considered(Theorem4.3). The methods of research are quite similar to the reference [19]. The referee thinks that the work is new by now, Unfortunately, the main results are incorrect. Please check Lemma 3.1, Theorem 3.1 and Theorem 3.2. Moreover, the author is kindly reminded	

	to notice some mistakes, such as: 1) Page1, line3, “have same” should be “have the same” ; The third to last line, “is a differentiable manifold” should be “ on a differentiable manifold”; The second to last line, “ α is Riemannian metric” should be “α is a Riemannian metric”. 2) Page2, line10 and line12, “were studied on” should be “studied”; Line11, “were worked” should be “worked”; 3) Page3, The definition of $\|\beta\|_\alpha$ is not correct, please check it. Please check α, β in the example. 4) Page4, The seventh to last line, “ $\beta(\mathrm{y}) = \mathrm{b}_i(\mathrm{x})\,\mathrm{y}^i$ ” should be “ $\beta(\mathrm{x},\mathrm{y}) = \mathrm{b}_i(\mathrm{x})\,\mathrm{y}^i$ ”. 5) Page5, line9, “(3.4)” should be “(3.1)”; line10, “is same as”should be “is the same as”. 6) Page6, please check “ $\frac{\partial Q^m}{\partial y^m}$ ” seriously;	

	Check (3.4), (3.5) and (3.6) seriously. 7) Page7, line1 in the Case 1, "(3.1)" should be "(3.2)"; G^i , P and the first equality of $\overline{L}_{;k}$ are not correct, please check them; 8) Page 8, under (3.10), it is "$r_{00}\overline{\beta}\overline{b^i} - \overline{r}_{00}\beta\lambda b^i = 0$"	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

Name:	**Anonymous**
Department, University & Country	**China**