



SDI Review Form 1.6

PART 1:

Journal Name:	<u>Physical Review & Research International</u>
Manuscript Number:	2013_PRR1_3966
Title of the Manuscript:	A Survey For Some Special Curves In Isotropic Space I_3^1
Type of the Article	Research Paper

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- 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 <i>(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)</i>
Compulsory REVISION comments	<p>The authors of the present paper introduce curves of AW(k)-type in isotropic space . They examine curvature contions of AW(k)-type curves using Frenet frames in isotropic space and give some new characterizations about Bertrand and Mannheim curves.</p> <p>The paper needs a revision in the light of the following comments:</p> <p>1) Page 1, in keywords "...Bertrand curve, Mannheim curve, Curvature, Torsion." may be restated as "...Bertrand curves, Mannheim curves, curvature, torsion."</p> <p>3) Page 2, line 17: The statement "Then the curvature $\kappa(s)$ and the torsion $\tau(s)$ are defined by [9]" must be corrected as "In [9], the curvature $\kappa(s)$ and the torsion $\tau(s)$ are defined by"</p> <p>4) Page 2, line 21: The statement "The vectors $t_\alpha, n_\alpha, b_\alpha$ are called the vectors of the tangent, principal normal and binormal line of α, respectively." must be corrected as " The vectors t, n and b are called tangent vector field, principal normal vector field and binormal vector field of the curve α, respectively."</p> <p>5) The references of "Proposition 2.1, Notation, Corollary 2.2, Theorem 2.3" must be added in section 2, which is Basic notions and properties.</p> <p>6) Page 3, line 14: The statement "...Euclidean vector. [10]" must be corrected as "...Euclidean vector [10]."</p>	<p>We made necessary corrections according to reviewer' s comment. Thank you for your valuable suggestion.</p>



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7) Page 4, line 12: The statement "Definition 3.1. Frenet curves (of osculating order 3) are [1]..." should be corrected as "Definition 3.1. (see, cf. [1]) Frenet curves (of osculating order 3) are..."

8) Page 5, line 3: The statement "Definition 3.6. Frenet curves are (see [1])..." should be corrected as "Definition 3.6. (see, cf. [1]) Frenet curves are..."

9) Page 5, line 15: The statement "... From Definition 3.6. (i) $N_3(s) = 0$. then from (11) equality, we have..." must be corrected as "... Then from (11) and (20) we have..."

10) Page 6, line 11: The statement "...we give the characterizations of Bertrand and Mannheim Curves..." can be corrected as "... we give some characterizations about Bertrand and Mannheim curves..."

11) Page 7, line 10: The statement "...If its principal normal is the binormal another curve then α is called..." must be corrected as "...If its principal normal vector field is the binormal vector field of another curve, then the curve α is called..."

12) Page 7, line 16: The statement "...Let us denote by $\{t_\alpha(s), n_\alpha(s), b_\alpha(s)\}$ the Frenet frame field of α ." must be corrected as "...Let us denote of Frenet frame of the curve α by $\{t(s), n(s), b(s)\}$."

13) Page 7, line 21: The statement "Since the binormal direction of $\bar{\alpha}(s)$ coincides with the principal normal of $\alpha(s)$, we have..." may be corrected as "Since the binormal vector of $\bar{\alpha}(s)$ is linearly dependent with principal normal vector of $\alpha(s)$, we have..."

So, I think the English style of the article should be enriched.

In my opinion the main results of the present paper are new and original, and the proofs are correct. So, I recommend it for publication in Physical Review & Research International.



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Minor REVISION comments		
Optional/General comments		