## **REVIEW REPORT: SAIP CONFERENCE PROCEEDINGS**

ABSTRACT ID:								
TITLE OF PAPER:	The relativist	The relativistic length transformation: more than a Lorentz contraction						
AUTHORS:	R E Kroon	K E Kroon						
ASPECT	BEST	5	4	3	2	1	WORST	
Scope	Relevant	<u> </u>	x	5	2	-	Irrelevant	
Organisation	Excellent		x				Poor	
Clarity	High		X				Low	
Length	Too Short			х			Too Long	
References	Adequate		х				Incomplete	
Correctness	Correct		х				Incorrect	
Significance	High		х				Low	
Originality	High		х				Low	
Contribution	Significant		х				No New	
Expression	Clearly		х				Vague	
Grammar	Good		х				Poor	
Recommendation   a) Accept: X								
b) Accept with Correction (Minor Revision):								
c) Accept with Correction (Major Revision):								
d) Reject:								
COMMENTS								
This paper makes a substantial educational contribution as it critically unpacks the impact of Lorentz contraction on the relativistic length transformation. The physical interpretation of the length transformation								
as the missing link in the derivation of the relativistic transformation of the electric field of a moving parallel								
plate capacitor is clearly elucidated. This elucidation would serve to address conceptual hurdles and								
significantly demystify the derivation of the relativistic transformation of the electric field of a moving parallel								
plate capacitor for physics undergraduates. There is a critical need to fully describe the underlying key								
mathematical assumptions underpinning fundamental derivations in Physics particularly in Electrodynamics								
in order to ensure a meaningful conceptual grasp by physics undergraduates.								