



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_24498
Title of the Manuscript:	A coalgebraic model of graphs
Type of the Article	Short Research 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.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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



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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		
Minor REVISION comments		
Optional/General comments	J. Rutten noticed that direct graphs can be considered as coalgebras over $\text{Set} \times \text{Set}$ by the functor $H(V, E) \cdot \rightarrow (1, V \times V)$. In this paper, the author defines H -graphs as coalgebras over $\text{Set} \times \text{Set}$ by the functor $H(V, E) \cdot \rightarrow (1, H(V))$ where $H: \text{Set} \cdot \rightarrow \text{Set}$ is a covariant endofunctor. He also deduces some structural results for H -graphs from the theory of coalgebras,	Thank you