



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:

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

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