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Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2015_BJMCS_16892
Title of the Manuscript:	Self-orthogonal cyclic codes and complementary-dual cyclic codes of length $p^n q^m$ over F_ℓ
Type of the Article	Original Research Article

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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	a) Literature review The paper presents the development of a polynomial and enumeration formulas of orthogonal codes. Only in the introduction, the authors provide the information about similar developments in other 10 papers. However, in order to highlight the importance of the paper's proposition, it is recommendable for the authors to assess the possibility of improving the literature review, presenting other studies that could help to situate their research and also to discuss the shown solutions. 展示其他研究可以帮助他们的研究和解决方案 b) Empirical implications The orthogonality is such a huge relevant issue in modelling, e.g., catastrophic events or financial crisis (Bierens & Martins, 2010). The authors could assess the possibility of improving the empirical implications of the paper on the "An example" topic, making the link between theoretical robustness of the propositions and some empirical effects.	(see[14]). Using self-orthogonal cyclic codes, quantum codes can be construction, which have good parameters(see [15]). It was shown in [16] that asymptotically good complementary-dual exist and that complementary-dual codes have certain other attractive properties. In the direction of these previous researchers we obtain new results, which provide some theoretical basis of constructing good codes. We use simple direct method 14. Z.-X. Wan, A characteristic property of self-orthogonal codes and its application to lattices, Bull. Belg. Math. Soc. 5 (1998), 477-482. 15. C. Gang, L. Ruihu, Construction of self-orthogonal codes with dual



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	c) Conclusions All papers need a conclusion, mainly in order to point out the main implications of the research. Therefore, it is also recommendable to authors to develop a topic named "Conclusion".	distance three on ternary field, Computer Engineering and Application. Theory 47(2011) 38-39. 16. J.L. Massey, Linear codes with complementary duals, Discrete Math. 106/107 (1992) 337-342. 5 CONCLUSION In this paper, we mainly consider cyclic codes of length $p^n q^m$ over F_ℓ. we explicitly determine generating polynomials and enumeration formulas of all self-orthogonal cyclic codes and complementary-dual cyclic codes of length $p^n q^m$ over F_ℓ. Construction of good self-orthogonal cyclic codes and complementary-dual cyclic codes of length $p^n q^m$ over F_ℓ may be interesting.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		