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	Abstract: In this paper, it is studied about finite buffer bulk service queue M/G(a,b)/1 with multiple vacations and some analytical results, relations among queue length distributions, computations of state probabilities at various epochs are included. Keywords: Bulk service queue, finite buffer, multiple vacations, probability generating function, probability density function. References: 1. Chaudhry, M.L., and Gupta, U.C.,[1], "Modelling and analysis of the M/G(a,b)/1/N queue – A simple alternative approach", Queueing systems, 31, 95-100. 2. Fuhrmann, S. W.,[2]. "A note on the M/G/1 queue with server vacations", Oper. Res., 32, 1368-1373 3. Gupta, U.C., and Sikdar, K. [3], "The finite buffer M/G/1 queue with general bulk service rule and single vacation", Perf. Eval.,57, 199-219. 4. Gupta, U.C., and Sikdar, K. [4], "On the finite buffer bulk service M/G/1 queue with multiple vacations", J.Prob.and Stat. Sci., 3(2), 175-189. 5. Levy, Y., and Yechiali, U. [5], "Utilization of idle time in an M/G/1 queueing system", Manage. Sci., 22, 202-211. 6. Sujatha, N., M.Srikanth and M. Srinivasu [6], "Infinite buffer bulk service queue with multiple vacations", Intern. J. of Mathematical Archive., 5(4), 330-338.			1-4
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	Abstract: This paper introduces a novel axial field flux switching permanent magnet generator for small scale wind turbine application. A 3-phase 12/10-pole machine designed and 3D finite element (FE) analysis used to investigation the back-EMF, open circuit flux linkage, winding inductance, cogging torque etc. results show good performance of proposed structure. Moreover the proposed structure is very suitable for the new manufacturing approaches such as soft magnetic composite (SMC) deployment, which is underway by the authors for the proposed generator in this paper. Keywords: Axial field (AF), energy, flux switching (FS) finite element method (FEM), permanent magnet generator (PMG). References: 1. Misak S.,ProkopL."Off-grid power systems." In: Proceedings of the 9th international conference on environment and electrical engineering 2010.p.14-7. 2. 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