



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_42590
Title of the Manuscript:	Complete Dynamics of a Fundamental Bound State Theory and Application to Gravitational Systems
New title of the Manuscript:	Acceleration in a Fundamental Bound State Theory and the Fate of Gravitational Systems
Type of Article:	Original Research article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
First; Author doesn't support his work by results of standard model. Second; what is the relation between acceleration terms which you need to add and the terms that introduced by Weinberg Salam model; third the title must express the body of the paper. This paper isn't suitable for publication and below level of publication in any hard scientific journal.	First point: The results of the present model are in full agreement with QED, although the underlying Lagrangian has a more complex structure. It is correct that for strong and weak forces the present model has a different structure than the Standard Model, but it describes hadrons and leptons equally well - but with all parameters entirely determined by basic boundary conditions. Second point: The acceleration term is not added, it results directly from the evaluation of the various terms of the Lagrangian. There is no obvious relation to the Weinberg-Salam model. Third point: The paper has two main points, a technical part with the evolution of the dynamics of the underlying Lagrangian, leading to the acceleration term of special interest. The second part is related to gravitation, for which acceleration plays a significant role. Both of these aspects are emphasized in the title. To summarize, the present model needs not only <u>no</u> external parameters, but most important, for the first it yields a unified description of <u>all</u> fundamental forces, including gravity, see details in refs. 5 and 7. The first part is of technical character, in which all matrix elements of a new and important Lagrangian are carefully evaluated, well suited for publication in a good mathematical journal. Since the acceleration term is important for complex gravitational systems, in the second part a first realistic discussion of different modes of gravitation is given. In particular, the important problem of the matter- antimatter symmetry breaking in the universe could be addressed.