ABSTRACT

In this final project, we discuss a love dynamics model between two individuals by considering the effect of the appeal of each individuals. There are three factors taking into account in this model, i.e, *oblivion* (the power of forgetting), *return* (the pleasure of being loved) and *instinct* (reaction to the partner's appeal). Some dynamical properties of the model and its interpretations are also explained in this final project. Simulation to the model is applied to the story of film "Assalamualaikum Beijing" divided in some scenarios. The simulation results of all scenarios show that the love dynamics model can successfully describe the phenomenon of love relationship in the film between the main figures, i.e Asma and Zhongwen.

Key words : Dynamical system, love dynamics model, appeal of individual, film "Assalamualaikum Beijing".