ABSTRACT

The project is about simulating healing process of patients. The purpose of this simulation is analysing the number of sick people in the long run with different initial values and compare them with theoretical values. The simulation is done with machine repair method. Random values for simulation are given in description of the project for example, beds at hospital or number of hospital and etc…

The model is far beyond from reality because there is not any immunity system in system or these kinds of things. So, the system is like a small-scale reality simulation of patients with few variables.

INTRODUCTION

In this study the main purpose is check the model is suitable with theoretical values in the long run or not. The model is machine repair model. This study is unique because it has different randomizing values from different studies with same model.

In the following chapters you can find the problem and model with more details and definitions. After descripting the problem and model according to our simulations and theoretical calculation you can find our results of simulations and result of comparisons between theoretical and run time results in the long run.

PROBLEM & MODEL DEFINITION

States the nature of the problem and describes the model in detail.

NUMERICAL ANALYSIS

describes the experiment setting, presents the numerical results and discusses their meanings

CONCLUSION

briefly reviews all results and states the takeaways from this study.