RESEARCH ARTICLE

DYNAMICS OF A CYCLE

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ABSTRACT

This paper describes dynamics of a cycle, its existence and why it is like that.

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INTRODUCTION

Dynamics of a Cycle: Everything exists in a cycle, like recycling of waste through nature or artificial means. Though little is explained mathematically about how a cycle operates. This paper explains just that. The path of a cycle begins by choosing path of maximum gain. This is because it has to exist. The next rule operating is that it should take minimum time. This is to retain the path of maximum gain (in minimum time). To take minimum time, it must go through a common state as soon as possible (every state is repeated in a cycle, so referring to them as common state). Further, to retain common state and path of maximum gain, the cycle must be repetitive. This is shown below in Figure 1.

Conclusion

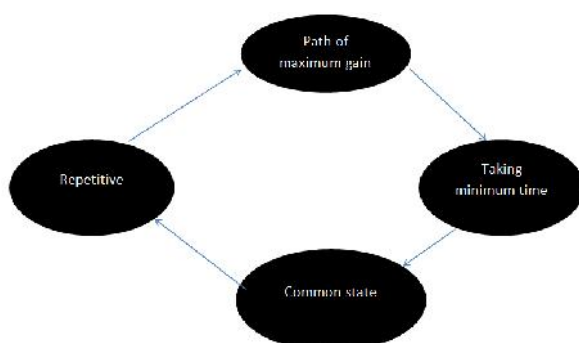This paper describes how a cycle operates through a flow chart.

Figure 1. Flow chart to explain the working of a cycle