Evaluation of effective parameters on strength of metal specimen adhesion with polymers

Original Research, A1

Zimov F, Polat A, Saha B.


ABSTRACT: A
Key Words: Polymer
Evaluation of mechanical, thermal and electrical properties of graphite base nanocomposites

Original Research, A2

Solomon T, Joeva R, Rodzina S.


A BSTRACT:

Key words: Graphite, Nanocomposites, Mechanical, Thermal
Investigation of Exfoliation and Intercalation in Clay Nanocomposites

Original Research, A3

Ali D.

Abstract:
In this study the effect of filling of clay nanoparticle in the polymer base composite and the intercalation, exfoliation ... completed exfoliation of silicate layers is the fundamental to reaching polymer/clay nanocomposites that perform well.

Key words:
Exfoliation & Intercalation,

A Ringed Contact Friction and Boundary Lubrication Test instrument design

Original Research, A4

Rahman A. and Memedov B.

Abstract:
A simple, inexpensive, easy to use, and very accurate annular contact friction and boundary lubrication tester is ... well suited for simulating and studying the surface contact phenomena which arise in multiple disc brakes and clutches.
Performance Improvement Priorities: Integrative Model of Organizational Excellence Model and Balanced Scorecard Approach

Original Research, A5

Hoseini Nasab H., Bagheri F., Esfahani M J.

Abstract:

Due to increase in the strategic and quality management programs in organizations, the need for a comprehensive methodology and framework for tracking progress and measuring performance improvement is critical. The purpose of this research is to develop an approach for measuring improvements in a company. This approach is based on an integrative model of Organizational Excellence Model (EFQM) and Balanced Scorecard. In this methodology, performance indicators are defined in the four perspectives of balanced scorecard, and the prioritization of the main indicators is done using the Analytic Hierarchy Process (AHP) method. Finally, the priorities for improvement are identified using the QFD method, and TOPSIS Method. The AHP method is used to evaluate the weights of the indicators in each perspective, TOPSIS method is used to prioritize the main indicators, and consequently, the priorities for improvement are identified. The proposed methodology provides a comprehensive framework for performance improvement and helps organizations to identify the priorities for improvement in a systematic and structured manner. The methodology is applicable in various sectors of the industry.

Keywords:
Priorities for Improvement, EFQM Model, Balanced Scorecard, QFD, TOPSIS Method
A New Method for Solving the Generalized Interval-Valued Fuzzy Numbers Linear Programming Problems

Mahmoodirad A., Hassasi H., Molla-Alizadeh-Zavardehi S., Esfahani M. J.

Abstract:
In this paper, we concentrate on linear programming problems in which the cost vector, the technological coefficients and right hand side vector can be solved by the linear programming methods. Finally, we give an illustrative example and its numerical solutions.

Keywords: Linear Programming Problem, Generalized Interval-Valued Fuzzy Number

Ranking Tehran Healthcare Centers based on Service Quality using Fuzzy Data Envelopment Analysis

Tabatabaei Mehrizi S.M.

Abstract:
The customer is one of the most effective environmental factors in health services organizations. Experts of management, healthcare executives and health managers, as well as patients were asked to rank the Tehran-based clinics. These clinics were then ranked regarding the quality of their services using DEA.
The Measuring Efficiency in Data Envelopment Analysis with Genetic Algorithm

Taghadoi R., Esfahani M.J., Molla-Alizadeh-Zavardehi S., Mahmoodi Rad A.

Abstract:

Keywords: Data Envelopment analysis, Genetic Algorithm