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

Original Research, A1

Zimov F, Polat A, Saha B.


ABSTRACT:

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

Original Research, A2

Solomon T, Joeva R, Rodzina S.


Abstract:
The postulate for lightweight, good performance and high mechanical strength, thermal stable and electrical conductor properties of manufactured composites is essential. This study evaluated mechanical, thermal and electrical properties of graphite nanocomposites. The mechanical properties were assessed through flexural and compressive strength tests. The thermal properties were examined using thermal diffusivity coefficient (D), specific heat (Cp), thermal conductivity (k) and thermal effusivity (E) tests. The electrical properties were investigated through electrical resistivity (ρ) and piezoresistivity (Δρ/Δε) measurements. Graphite nanoparticles of different concentrations were added to polymer resins to improve the mechanical properties, thermal and electrical conductivity of the manufactured composites.
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 BSC Approach

Abstract:
Due to increase in the strategic and quality management programs in organizations, the need for a comprehensive ... method, and priorities for improvement are identified. Finally, suggestions for managers and researchers are discussed.

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

Original Research, A6

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 ... 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 Trapezoidal Fuzzy Number

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

Original Research, A7

Tabatabaei Mehrizi S.M.

ABSTRACT:
The Measuring Efficiency in Data Envelopment Analysis with Genetic Algorithm

Original Research, A8

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

Abstract:

Keywords: Data Envelopment analysis, Genetic Algorithm