

Surveillance et Diagnostic systèmes



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Télécommunications

En bref

> **Code:** N9EE16B

Présentation

Objectifs

Understand the global picture in the field of Diagnostic of electromechanical systems

Identify the different functions involved in a diagnostic system

carry out some fft analysis on some real signals in order to create fault indicators

use the design of experiment method for lifespan modelling

Description

Fault monitoring and diagnostic of electromechanical systems

Introduction

1. The increasing part of fault monitoring and diagnostic
2. Failures in the electromechanical systems

3. Existing solutions for fault monitoring and diagnostic
4. Introduction to dependability
5. Diagnostic methods : classification and examples (BE)
6. Design of Experiments for a reliability study (BE)

Conclusion

References

lectures and computer works, based on some problem based learning

Pré-requis obligatoires

basic functions of maths

basic functions of electronics