

근접장 정보저장 시스템 광헤드의 오차 분석 및 공차 할당

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Error Analysis and Tolerance Allocation in the Optical Head of Near Field Recording System

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Key Words: Near-field recording system (근접장 정보저장 시스템) · Tolerance allocation (공차할당) · Error analysis (오차분석) · Optimal compound tolerance allocation (최적복합공차할당)

Abstract : Error analysis and tolerance allocation method for the optical head of Near-Filed Recording (NFR) system are presented. After design and fabrication of NFR system, the performance test for the NFR system is done. Using the optical simulation program, CODEV, the assembly and manufacturing tolerances of the NFR optical head are simulated. The tolerances analysis result shows that the tolerance is very tight. So we propose optimal compound tolerance allocation method using WOW (worst on worst) analysis, RSS (root sum square) analysis and Monte-Carlo analysis.

U-Campus를 통한 대 교육 특성화 방안

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College Education Specializing Plan through the Ubiquitous Campus (Educational Plans for College Specializations through the U-Campus)

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Key Words: Ubiquitous(유비쿼터스), RFID(적외선 센서 식별기), Wearable PC(웨어러블 컴퓨터), U-Product(유비쿼터스 제품화 사업), U-Campus(유비쿼터스 캠퍼스 사업)

Abstract : This paper showed three years result of specialized plan which is currently needed in specialization of college. The education purpose of our college is thoroughly focused on having a practical analysis on the base of sound knowledge in inner side and having a growing up an expert human resources in outer side. In doing so, the most suitable and the most applicable development of specialized educational procedure is made for our junior college students. The results of this paper are helpful to specializing college in economically and institutionally.