

英文要約

A Study on Computerized System of Skill Assessment 1st Report: Development of a Programme for Turning Skill Assessment

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'Gino Toshi-hyoka Ho' or Universal Skill Assessment Method originally developed by Dr. Koga is designed to indicate skill levels in numerical terms so that skill levels of individuals may be compared regardless of statutory or other conventional grading of skills. Dr. Koga worked on the assumption that the skill level of a full-fledged craftsman may be marked 60 and that of a first-class craftsman 90 (supposed perfect level 100). He identified some key elements in a given job skill, measured individual performances and analysed and structured the data using the probability theory into a universal formula which may be applied to any type of skill. He has so far applied it successfully, first to turning skill and then to welding skill.

In spite of the merit of this method of universal applicability there was one difficulty in putting this into practical use, because calculation procedure was so complicated that it would have been too time-consuming if conventional calculation methods were employed. In order to overcome this difficulty the authors tried to computerize the calculation procedures so that various numerical indices regarding the skill may be produced and statistically processed with speed and accuracy.

This report contains the process of programming for turning skills and similar programming for other types of skills are expected to follow.