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On the Korean-Japanese Machine Translation

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SUMMARY OF THE SYSTEM

The current status of the KANT system designed to be efficient to translation between Korean and Japanese language with strong similarity in syntax and phraseology can be briefly summarized as follows ;

1. Name of the System : KANT/I(KAIST Automatic Natural Language Translation-Version

    I) System.

2. Status : Research Prototype

3. Type of the System : Syntactic Transfer Based/Interlingual

4. Translated Language : Korean/Japanese

5. Speed of the System : 4,000 words/hour(approximately)

6. Costs of the System : not evaluated

7. Type of Analysis Output : Node-list with interlingual labels

8. Dictionaries : 2,000 entries

9. Data bases with rules : More than 300 grammatical rules (but not countable because

    of expansible rules in each dictionary)

10. Implementation Language : C-programmed

11. Operating System : KONIX (UNIX V.7 Compatible) - interactive multiuser,

    multitasking system

12. Type of hardware/equipment :

    - 16 bit super micro computer (National product SSM-16)
    - Main memory 2M bytes (64K RAM)
    - Winchester disk memory 160M bytes
    - RS 232C Communication Interface
    - Word Processor (Korean HANGUL, Japanese KANA and Chinese characters processing)