

1998 Pacific Ave. Unit 105, San Francisco, California 94109, USA

programmes/programs/programmi

MUSTRAN II

FORTTRAN, UNIVAC 1106, or 1107 or 1108 or UNIVAC 1110 or 1110/nn or IBM 360 or 370 (OS) or CDC 6000 or 7000 or CYBER 70. (Program Listings Decks or Tapes available)

This program is the MUSic TRANslator which reads music encoded using the full MUSTRAN II notation and produces an output file used as input for music analysis, music printing and music performance.

MEK

CAMA
MPrC
MPeC
GMT

TCOMB

FORTTRAN (same availability as MUSTRAN II)
Reads the output file produced by the MUSTRAN II program and does an extensive analysis of the melody line of each piece of music.

*CAMA

TPAT1, TPAT2, TPITC, TRYTA

FORTTRAN (same availability as MUSTRAN II)
Each one of these programs reads the output file produced by the MUSTRAN II program and analyses the melody line of each piece of music. TPAT1 and TPAT2 are concerned with interval strings of 3 and 4 notes. TPITC analyzes interval usage. TRYTA performs a simple rhythmic analysis.

CAMA

XFTOC, XFMRG, XFSRT

FORTTRAN (same availability as MUSTRAN II)
These are a series of independent utility programs for manipulating files of translated music data. XFSRT sorts the contents of a file according to a user specified sort order.

GMT

JABST, JCNVR, JGTGV, JHWRW, JITEM, JMURW, JOPTN, JNSNG, JPRSU, JSNGW, JSORT, JSPRD

FORTTRAN (same availability as MUSTRAN II)
These are a series of independent library subroutines available to the user for processing the translated data produced by MUSTRAN II.

GMT

7/75

textes/writings/testi

WENKER, Jerome R.
 A COMPUTATIONAL METHOD FOR THE ANALYSIS OF
 ANGLO-AMERICAN FOLKSONGS.
 MA Thesis, Indiana University, Sept. 1964. 271p.

MEK
 CAMA

 "A COMPUTER-ORIENTED MUSIC NOTATION INCLUDING
 ETHNOMUSICOLOGICAL SYMBOLS."
 in MUSICOLOGY AND THE COMPUTER, Barry S. Brook, ed.,
 City University of New York Press, New York, 1970.
 91-129.

MEK

 "MUSTRAN II: A FOUNDATION FOR COMPUTATIONAL
 MUSICOLOGY."
 in COMPUTERS IN THE HUMANITIES, J.L. Mitchell, ed.,
 Edinburgh University Press, 1974. 267-282.

MEK
 GMT

activité/activity/attività

1. I am currently working on my Ph.D dissertation which is a computer analysis of the melodies of 92 Anglo-Canadian folksongs.
2. I edit and publish the Computational Musicology Newsletter.
3. A paper "On the Indexing of Melodies" has been prepared. This will direct research towards the computer comparison of melodies.
4. A program to produce MUSIC V input data from MUSTRAN II data is in process of implementation. (a similar program is working at Indiana University.)
5. Initial work has begun on a routine to generate MUSTRAN II input data. This will form part of a general system for music composition.
6. Initial design has begun on a program to print complex scores using MUSTRAN II data. (Don Byrd at Indiana University has a working program which can use MUSTRAN II data as input.)
7. A long term project will be the completion of all parts of a system which will allow the user to use the computer to: first, compose and perform music; second, to analyse his results in order to improve his composition; and third, when he is satisfied with his composition he can produce printed music for copyright and publication purposes and he can also produce audio recordings for performance and publication.

CAMA

CAMD
 CAMA

MPeC

MCC

MPrC

GMT
 MEK
 MPrC
 MPeC
 MCC
 CAMA

cont.

8. Applications of MUSTRAN II in CAME music education are being considered. A subset of the MUSTRAN II notation suitable for mini-computers is being documented.

CAME

9. Computer projects on Indexing & cataloging Anglo-American folksongs have been designed and documented. Future work depends on available time.

CAMD

biographie/biography/biografia

- 1934 born in Minneapolis, Minnesota
- 1952-56 student at the Massachusetts Institute of Technology (B.S. Math, 1956)
- 1956-60 worked at M.I.T. with numerically controlled machine tools (A.P.T.)
- 1960-64 graduate student at Indiana University (MA Folklore, 1964)
- 1961-65 graduate assistant at Indiana University in Computational Linguistics
- 1966-69 worked for UNIVAC in systems Programming
- 1969-70 worked for Computer Science Corp.
- 1971-72 graduate Student at Indiana University in Folklore
- 1972- work for UNIVAC as a Data Processing Consultant

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