

Appendix C - Heen's Range of Factors model for style analysis

Range of Factors for the Style Analysis Procedure (Heen, 1981, pages 35 to 37)

I. Melody

- A. Type (angular, step, skip, mixture)
- B. Length of melodic units and their relationships
- C. Shape and direction of melody
- D. Motion and range
- E. Improvisation within or over
- F. Substitution by improvisation (melodic, harmonic, thematic)
- G. Retention or invention
- H. Call-response or antiphonal nature
- I. Handlings and relationships -- stability or activity
- J. Idiomatics
- K. Structural materials (scalar types and other materials)
- L. Decorative factors
- M. Embellishments
- N. Changes through counterpoint: relationship to harmony
- O. Improvisation
 - (1) Placement in a piece and in a style
 - (2) Contribution to the whole
 - (3) Originators, copiers, vocabulary, historical turning points
 - (4) Freedom vs. origination
 - (5) Basis and materials
 - (6) Character or type of variation
 - (7) **Individual signatures**
- P. Embellishments
 - (1) **Types and placement, formulae**
 - (2) Relation to performance practices
 - (3) Types typical to a style -- decorative, structural , virtuosic

(4) **Vocabulary**

(5) Idiomatics

(6) Embellishment roles

(7) Degree and function

(8) Role in improvising

(9) **Decorative figures (embellishments vs. structural or improvisational features) including neighbor tones, escape tones, leading tones, vibrato, shakes, special sounds, glissandi, flutter, etc.**

(10) Historical turning points

Q. Riffs

(1) Decorative

(2) Structural

(3) Historical context

(4) Make-up

(5) Effect on other elements

(6) Relationship to solo

II. Rhythm*

III. Harmony*

IV. Timbre--Texture*

V. Form and Growth*

Note: * indicates that there are subcategories under these components of style analysis, yet they are not listed here because they are not necessary for this research. The subcategories can be found on pages 35 to 37 in Heen (1981). The components that are in **bold** are the ones used in this thesis.

Vita

David Matthew Franz was born in Dover, Delaware to Kenneth and Phyllis Franz on April 10, 1973. Dave received his Bachelor of Science degree in Industrial and Systems Engineering from Virginia Polytechnic Institute and State University on May 13, 1995. Dave will graduate with his Master of Science degree in Industrial and Systems Engineering with a concentration in Management Systems Engineering from Virginia Polytechnic Institute and State University on May 8, 1998. While completing his degrees, Dave was a member of the Institute for Industrial Engineers, inducted into Alpha Pi Mu, served as an officer for the Institute for Operations Research and Management Systems, held industrial engineering internships at USAir and Sentara Health Systems, and taught two summer sessions of Work Measurement and Methods Engineering at Virginia Tech. In the fall of 1998, Dave will be continuing his education in Boston at Berklee College of Music.