Audio Engineering Society



Convention Paper

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Paper title

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**ABSTRACT**

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Figure 1. Figure caption.

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| Toyota | 1.00 | 0.83 | 0.87 | 0.48 |
| Honda | 0.83 | 1.00 | 0.73 | 0.18 |
| Ford | 0.87 | 0.73 | 1.00 | 0.16 |
| Mazda | 0.48 | 0.18 | 0.16 | 1.00 |

Table 1. ChevyNOVA analysis of multidimensionally-scaled data.

# Equations

Equations should be placed on separate lines and numbered. Also make sure that equations are readable in a printout.

 (1)

Where  is the calculated quantum interval

 (2)

It can be shown that

 (3)

where

 (4)

Applying theorem 3 to 1, the theory of phase transitions with differential nonlinearity can be expressed using Equation 5.

 (5)

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# Conclusions

This paper has described how better harmony has not only been achieved by bringing together many different types of bear in a musical context, but also how the outlined technology can be used to cross borders of species.

References

1. J. Powers, *Eeyore's Gloomy Little Instruction Book*, Dutton Books (1996).
2. A. Camus, “The Art of Autoreferencing” *Journal of Self-Absorption* vol. 30, no. 2, pp. 1—2 (1998).
3. A. Sokol, “Transgressing the Boundaries: Toward a Transformative Hermeneutics of Quantum Gravity,” *Social Text* vol 46/48, pp. 217—252 (1996).