

Abstract Submitted
for the MAR11 Meeting of
The American Physical Society

Steinberg **”AU-
DIOMAPS” Music Appreciation-Via-Understanding: Special-Relativity
+ Expectations ”Quantum-Theory”: a Quantum-ACOUSTO/MUSICO-
Dynamics (QA/MD)** LEE FENDER, RUSSELL STEINBERG, FUZZY-
ICS=CATEGORYICS(SON OF TRIZ)/CATEGORY-SEMANTICS, EDWARD
CARL-LUDWIG SIEGEL, FUZZYICS=CATEGORYICS(SON OF TRIZ) —
Steinberg wildly popular ”AUDIOMAPS” music enjoyment/appreciation-via-
understanding methodology, versus art, music-dynamics evolves, telling a
story in (3+1)-dimensions: trails, frames, timbres, + dynamics ampli-
tude vs. music-score time-series (formal-inverse power-spectrum) surprisingly
closely parallels (3+1)-dimensional Einstein(1905) special-relativity ”+” (with its
enjoyment-expectations) a manifestation of quantum-theory expectation-values,
together a music quantum-ACOUSTO/MUSICO-dynamics(QA/MD). Analysis
via Derrida deconstruction enabled Siegel-Baez ”Category-Semantics” ”FUZZY-
ICS”=”CATEGORYICS (’TRIZ”) Aristotle SoO DEduction , irrespective of Boon-
Klimontovich vs. Voss-Clark[PRL(77)] music power-spectrum analysis sampling-
time/duration controversy: part versus whole, shows QA/MD reigns supreme as
THE music appreciation-via-analysis tool for the listener in musicology!!! Con-
nection to Deutsch-Hartmann-Levitin[This is Your Brain on Music, (06)] brain/mind-
barrier brain/mind-music connection is subtle/compelling/immediate!!!

Edward Carl-Ludwig Siegel
FUZZYICS=CATEGORYICS(SON OF TRIZ)/CATEGORY-SEMANTICS

Date submitted: 21 Nov 2010

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