Abstract Submitted
for the SHOCK19 Meeting of
The American Physical Society

Hypersonic Cryogenics: Stochastic Shock Compression Modelling[1] CHARLES JANEKE, No Company Provided — In order to beat shockwave formation blasting a cryogenic chilled copperball @M5x120K (atmospheric) oxygen saturation nexus was postulated early 2010 to beat shockwave formation at the Prandtl-Glauert singularity; that was successfully tested at the Virginia Tech (VT) Ocean and Aerospace lab Blacksburg, VA July 2010. The ensuing CRYSONIX event opened the door to the science of hypersonic cryogenics, a stochastic (vortex transformation) process. By development the CRYSONIX art was subsequently transformed into the SPINNX (extreme) vortex choke through the course of May 2013 and consequently the SPLINES/BLOTS shockwave piercing nosecone/slats (outside the cryogenic zone) through the course of June 2016. The presentation will focus on (1) PRANDTL-JOUKOWSKY convergence (2) GAUSS-MARKOV harmonics (3) HYPERSONIC-STOCHASTIC-SWITCH (4) SPINNX/SPLINES/BLOTS shockwave piercing attributes (5) emergence of stochastic CFD art (6) SHOCK COMPRESSION generally and (7) stochastic modeling of BLACK-HOLE-JETS (APS 01/23/2019) via superposition of stochastic and real tensors.

[1]Constellation Dynamics, Los Angeles // Advanced Propulsion Lab, Virgina Tech Blacksburg

Charles Janeke
Constellation Dynamics, LLC (Los Angeles)

Date submitted: 01 Apr 2019 Electronic form version 1.4