

Models, Modeling, and Models

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Talk Presented at the 56th Annual Meeting of the Human Factors &
Ergonomics Society
2012-October-24



TETRIS IS A TASK WE ALL KNOW!!

■ *& some of us study*

terlecki08acp.jou; kirsh94cs.jou; maglio08ap.jou



SHERIDAN'S TAXONOMY OF MODEL ATTRIBUTES

	ATTRIBUTE	1 (LEAST)	2 (MODERATE)	3 (MOST)
A	DATA APPLICABILITY	No basis in existing data	Describes existing data	Predicts future data
B	DIMENSIONALITY	Single input, single output	Multi input, single output	Multi input, multi output
C	METRICITY	Limited to nominal relationships	Primarily ordinal relationships	Entirely cardinal relationships
D	ROBUSTNESS	Unique focus on limited objects or events	Moderate focus to a variety of objects or events	Comprehensive of a wide slice of nature
E	SOCIAL PENETRATION	Confined to a mental model	Communicated to the relevant community	Accepted and used by the relevant community



ORIGINAL SPACE FORTRESS (SF1): *The Learning Strategies Project*

- Early-80's
- DARPA funded (sort of)
- mane89ap.jou



SF3 – REVISED SPACE FORTRESS

- A nearly identical port of SF2 to play on the machines available in the 2000's
- Joystick dynamics changed in undeterminable ways between SF2 (used custom software now lost to history) and SF3
- Data logged once per second
- Setting up an experiment in RSF is a cumbersome process
 - Requires two computers
 - A server and client that need to be run independently
 - Experimental conditions need to be set up and users added to an Access™ database before the game can be played

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