




A FOUNDATION FOR EVOLVING COMMAND AND CONTROL ACTIVITIES

ID 016
15th ICCRTS, The Evolution of C2
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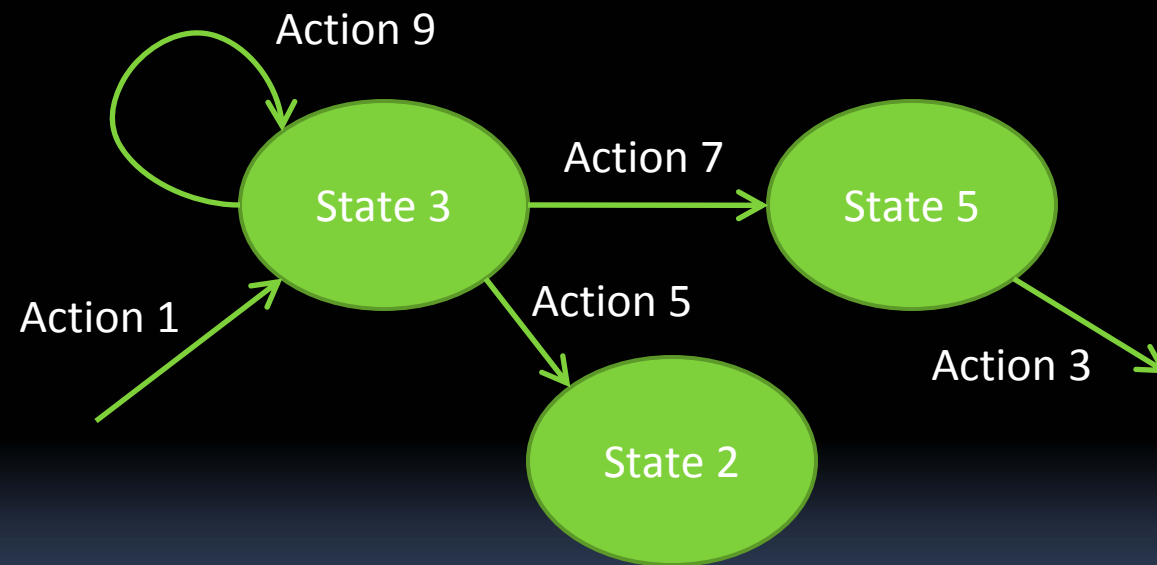
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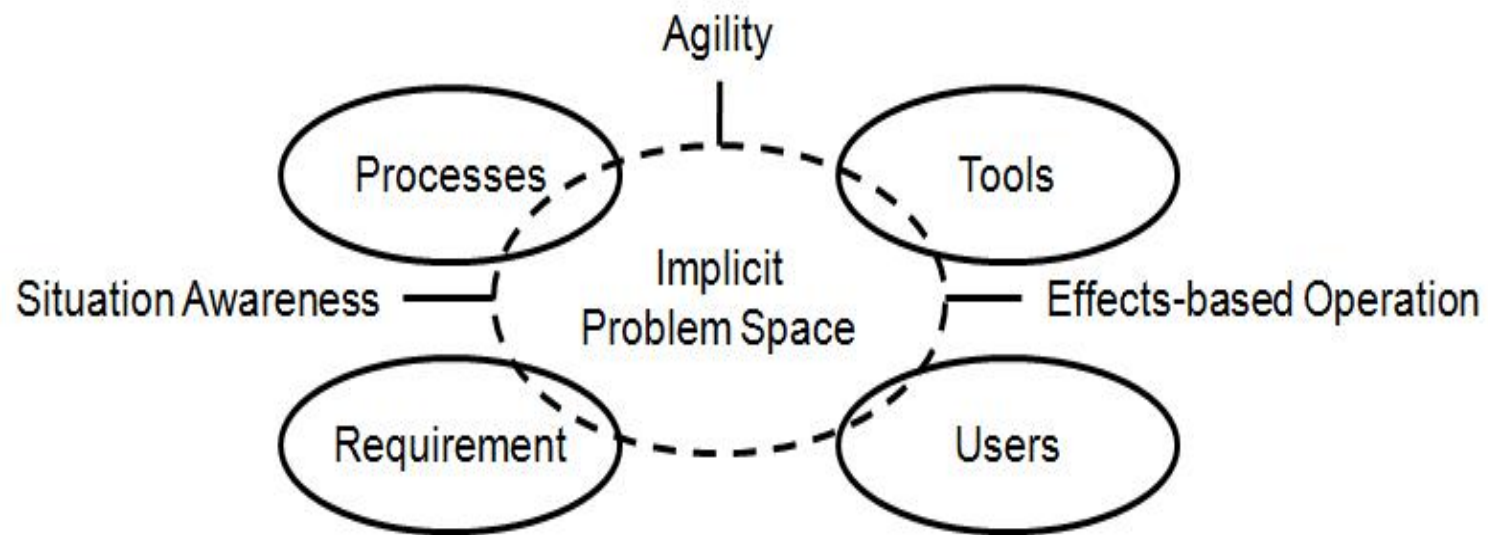
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Common Agility Space (CAS)



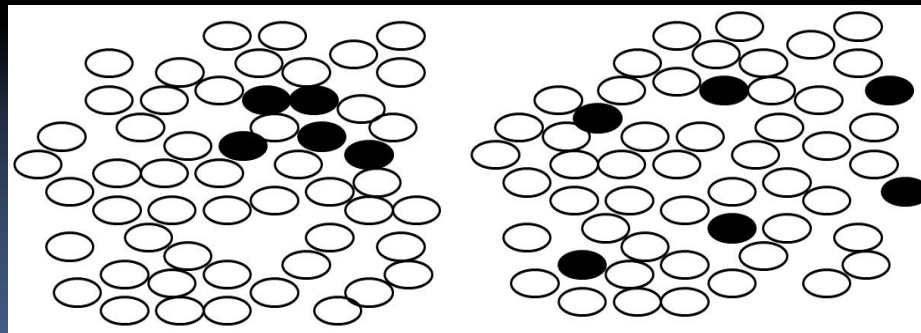
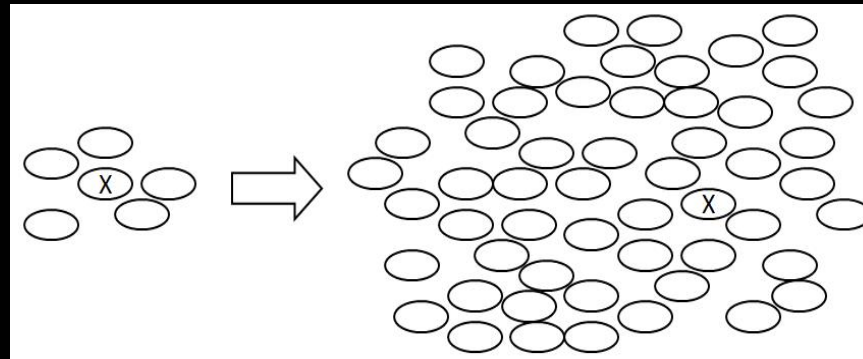
Common Agility Space (CAS)



C2 Concept and Common Construct

- Situation Awareness identifies states in a CAS model
- Effects-based Operation selects states in the CAS as targeted effects
- Agility is a characteristic of the paths amongst the CAS states

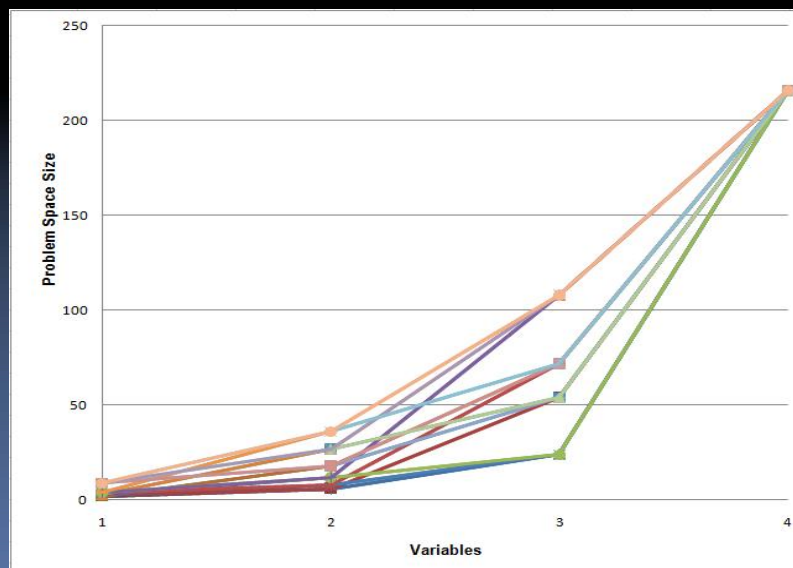
Problem Space Characterization



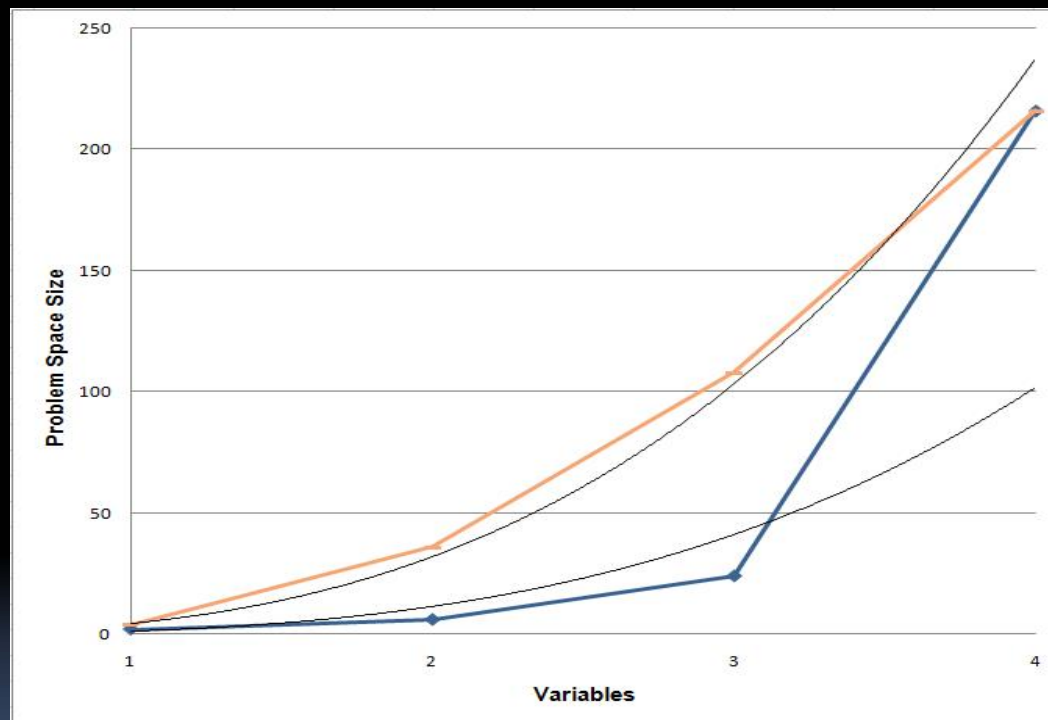
Approaches to Building Model

	First	Second	Third	Fourth			First	Second	Third	Fourth
1	1	2	3	4		13	3	1	2	4
2	1	2	4	3		14	3	1	4	2
3	1	3	2	4		15	3	2	1	4
4	1	3	4	2		16	3	2	4	1
5	1	4	2	3		17	3	4	1	2
6	1	4	3	2		18	3	4	2	1
7	2	1	3	4		19	4	1	2	3
8	2	1	4	3		20	4	1	3	2
9	2	3	1	4		21	4	2	1	3
10	2	3	4	1		22	4	2	3	1
11	2	4	1	3		23	4	3	1	2
12	2	4	3	1		24	4	3	2	1

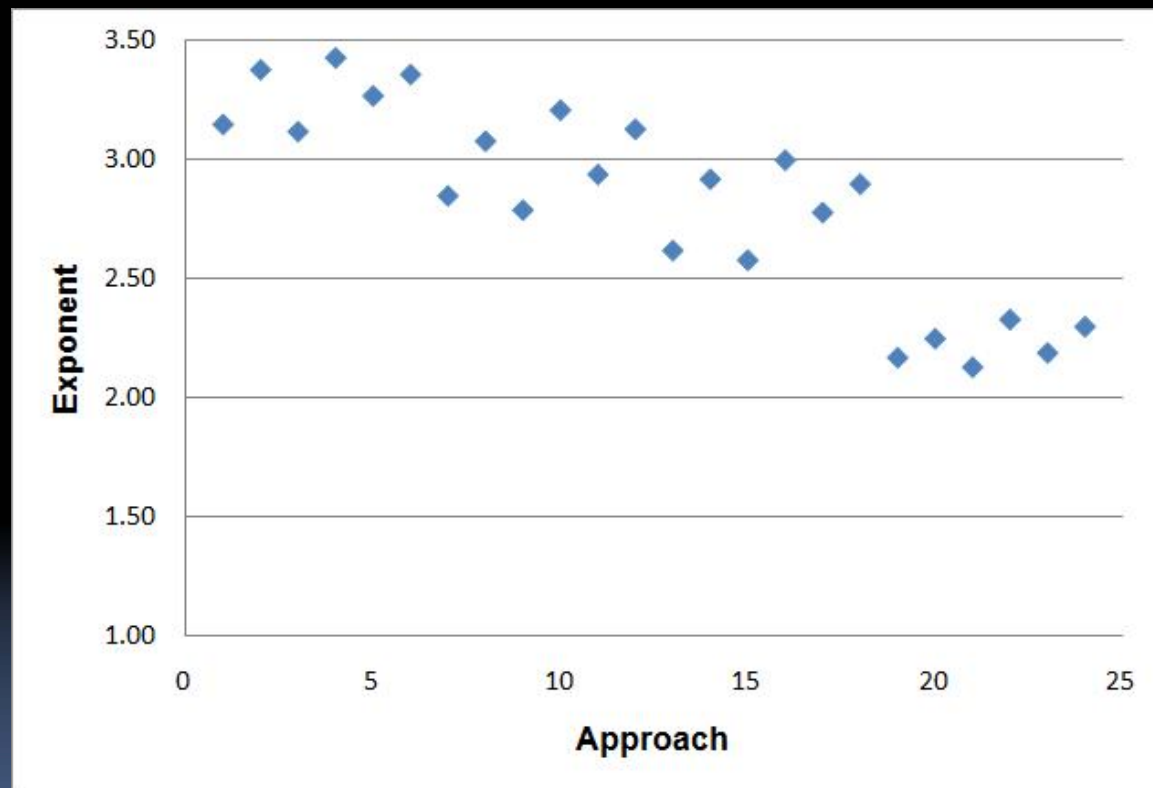
	First	Second	Third	Fourth			First	Second	Third	Fourth
1	2	6	24	216		13	4	8	24	216
2	2	6	54	216		14	4	8	72	216
3	2	8	24	216		15	4	12	24	216
4	2	8	72	216		16	4	12	108	216
5	2	18	54	216		17	4	36	72	216
6	2	18	72	216		18	4	36	108	216
7	3	6	24	216		19	9	18	54	216
8	3	6	54	216		20	9	18	72	216
9	3	12	24	216		21	9	27	54	216
10	3	12	108	216		22	9	27	108	216
11	3	27	54	216		23	9	36	72	216
12	3	27	108	216		24	9	36	108	216



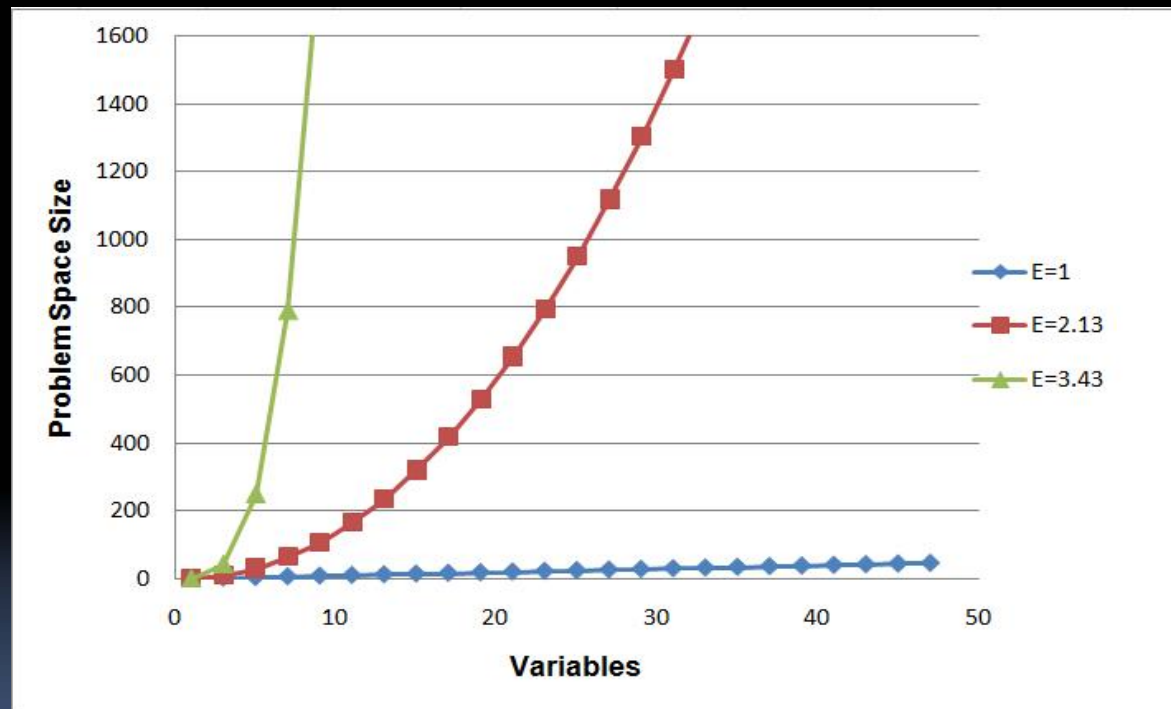
Power Curve Fitting



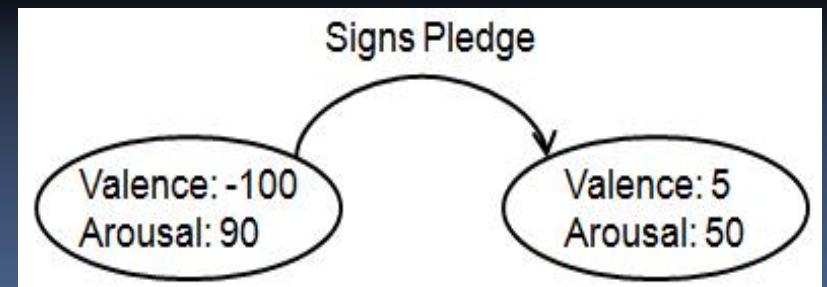
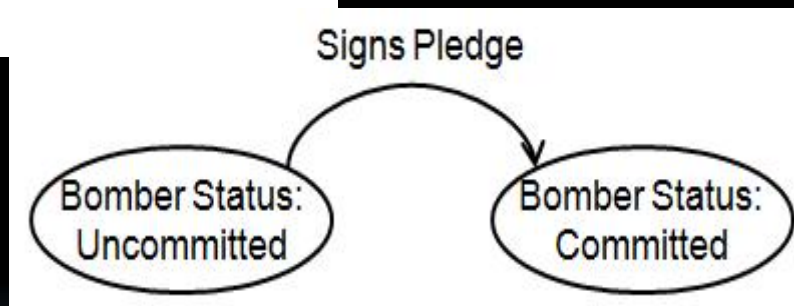
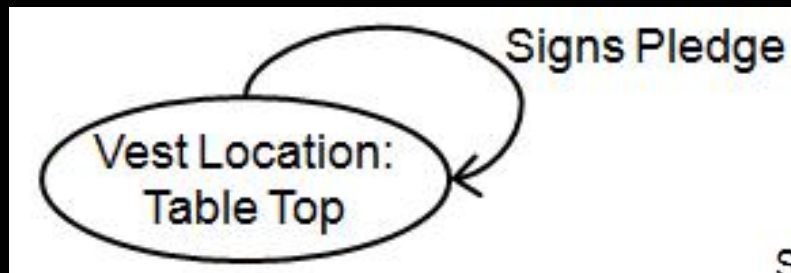
Exponents Distribution



Approach Induction Range



Physical, Information, Cognitive (Logical and Emotion), and Social





Questions