Channels, Minds and Other Remnants of Situation Semantics

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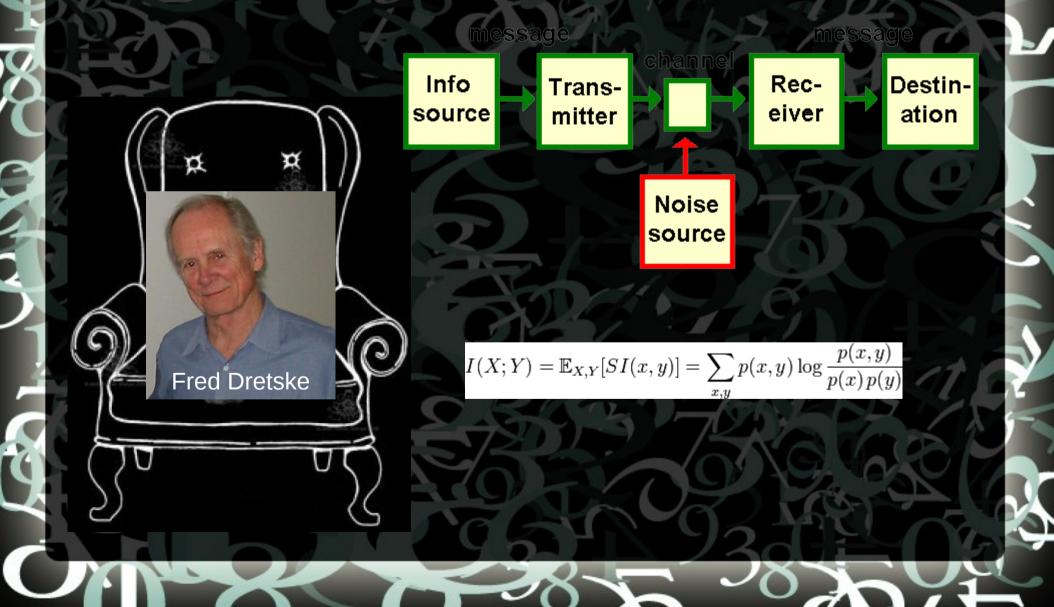
Intentionality

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Situation Theory



Knowledge and the flow of information



Information conditions not truth conditions

Tree?

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"CONSTRAINTS"

Intenionality supervenves on information

Intentional

Informational

Physical

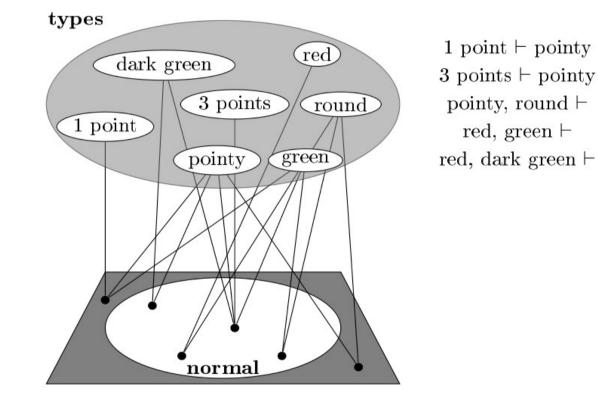
No information without classification

No information without classification

Structured Experience



Structured Experience



tokens

a.k.a. Local logic

Channels: the coordination of our worlds

Perspectives



Perspectives

Channel?

Information dynamics

	А	В	С
a	0	1	0
b	1	1	0
С	0	1	1

	А	В	С	D
a	0	1	0	0
b	1	1	0	0
С	0	1	1	0
С	0	1	1	1

Splitting: duplicate tokens, add types

Information dynamics

BD

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С

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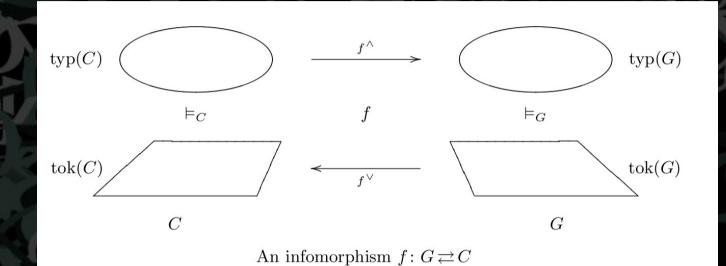
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	A	В					А
а	0	0	0	0		a	0
b	1	1	0	1		b	1
С	0	1	1	1			
d	0	1	1	0		C	0

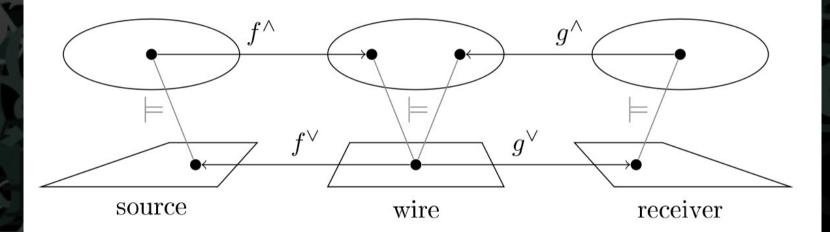
Eliminate: delete tokens, identify types

Informational dynamics



a.k.a Chu space transformation

Channel



Projection of local logics along channels

Distributed Content

Semantics or Engineering?

"These semantic aspects of communication are irrelevant to the engineering problem."

Claude Shannon, 1948