Hyperphysical, Tectonics and Engineering

Matthew Ketis-Bendena
Lauren MacKenzie
Julian Wylegly
Cecil Balmond - New Structure and the Informal

reductionism in architecture
the informal
feedback loops
inner logic informing the whole
biomimicry as forced
The vague always tends to become determinate, simply because its vagueness does not determine it to be vague… it is not determinately nothing. Everything is wet and structure becomes dry when you pull it out.

Movement needs to be information.
Kenneth Frampton - Rappel a L’ordre, the Case for the Tectonic

return to structural unit as the essence of architectural form

building remains tectonic and not scenographic

sterotomies

joint/ disjoint

earthworks
Serpentine Pavilion 2002 - Manifestation

Toyo Ito and Cecil Balmond
Serpentine Pavillion 2002 - Feedback system

Toyo Ito and Cecil Balmond
Serpentine Pavillion 2002 - Joint/Dis-Joint

Toyo Ito and Cecil Balmondd
Kokkugia

Urban Agency

“through drifting the organism extracts and exchanges information with the city which feeds and influences its desires. This organism isn’t simply playing out a set of behaviours instead their behavioural combinations are capable of morphological development”
vagueness of system provides a cross pollination of architectonic and programmatic information.

‘dry’ prototype exhibits one instance of the process.

Structure exhibits memory of movement information?
Epistemic considerations: knowing movement and stasis

“the surfer stays in the same place by moving in sequence with climactic progression...the surfer is engaged in another pursuit of stasis in a dynamic field”
Webb Bridge by Denton Corker Marshall & Robert Owen

Poetics of construction

a-stylistic

technological object
Q= Within the confines of architecture, can the techniques of generating a building not affect something else? Why?
Q: Can you do something with a feedback loop that doesn’t affect the whole? Why?
Q= What would two materials look like that would break against each other?

Frampton, K. (1996). Rappel a l'ordre, the case for the tectonic. in Kate Nesbitt, ed. Theorizing a new agenda for architecture.

