From Screen Patterns
Toward Domical Form

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This thesis aims at creating a dome fabricated from pattern and studying some of the forms of patterns that focus on organistic pattern.
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SCREEN PATTERN
Effect of shade

Model of screen

Effect of shade
SCREEN PATTERN
ORGANISTIC PATTERNS
Model of screen

Effect of shade

SCREEN WITH SHARP CORNERS
SCREEN WITH SOFT CORNERS

Model of screen

Effect of shade
Multiple layers of soft corners
Multiple layers of soft corners
DOMICAL FORM AND PATTERN

Constant thicknesses with rotation around an axis

Variable thicknesses from thin edges to full middle
DOMICAL FORM AND PATTERN
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Flat pattern in domical shape (non structural)

Rectilinear shaped members in domical shape (becoming structure)
Rectilinear members in domical shape

Softened rectilinear members

Smooth members
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Plan of Dome with irregular patterns becoming structural and material

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View of model from within
Organidtic Patterns

SKETCHES