# ELECTROLIQUID AGGREGATION + LAZINESS + RECYCLING + SCULPTURAL MATHEMATICS 

1. Draw a series of 3 parallel projections exploring the interconnection between pairs of your drawings from week one (make sure that each one of the pair is from a different client). Use carefully hatched lines to highlight one set of surfaces that exist in parallel planes.
2. Draw the same set of 3 parallel projections from the opposite angle.

Note: throughout the class students will be exporting objects from SketchUp to CryENGINE3. To do this, find a student who has a functioning workflow and has a hardware and operating system setup that is the same as you

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"Why still speak of the real and the virtual, the material and immaterial? Here these categories are not in opposition, or in some metaphysical disagreement, but more in an electroliquid aggregation, enforcing each other, as in a two part adhesive."

Lars Spuybroek, [1998] Motor Geometry, Architectural Design, Vol 68 No 5/6, p5


Neutelings and Riedijk ON laziness recycling sculptural mathematics \& ingenuity. El croquis 94.
"Laziness, one of the seven cardinal sins, is one of (a designers) most useful characteristics. The combination of diligence and ambition is highly dangerous; the combination of laziness and ambition ensures a pleasing balance, which often leads to happy results because compensating for laziness requires the application of ingenuity."

Recycling Typologies and Concepts.

Sculptural Mathematics: "The most exhausting sort of design process is one in which each version requires a conscious decision. We therefore make it our practice to start off with a simple basic mathematical concept within which the program is to be organized."

Conclusion: "... no matter how successful it might be as a method, (laziness) still has a great disadvantage: it requires a lot of effort."

# MINNAERT BUILDING. UTRECHT. 

Neutelings and Riedijk. El croquis 94.







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Hollainhof Gent



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GWL Amsterdam

Bormeo Sporenburo





Wijnhaven Rotterdam


Diferentes estudios volumétricos/tipológicos para viviendas

SCULPTURAL MATHEMATICS


GWL Amsterdam


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GWL Amsterdam


Diferentes estudios volumétricos/tipológicos para viviendas Different volumetrichyoologral stuphes tor itwellings


Wijnhaven Rotterdam


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# RECYCLING TYPOLOGIES + CONCEPTS 

# REM KOOLHAAS 






## Y2K HOUSE



## Y2K HOUSE

## CASA MUSICA

## WWW.OMA.EU

RECYCLING


## ISE SHRINE



## GREEN \& GREEN



## PIER LUIGI NERVI




# TADAO ANDO 

## NOX-ART-ARCHITECTURE.COM ZAHA-HADID.COM F-O-A.NET



## STUDENT WORK



## JAMES GITO



JAMES GITO


JAMES GITO


## JAMES GITO



## JAMES GITO

JAMES GITO

JAMES GITO


JAMES GITO


## OLIVIA GREEN



## OLIVIA GREEN



## OLIVIA GREEN



## OLIVIA GREEN



## DEMAS RUSLI

The moodboard of the concept

## The inspiration of the architecture form

Branch
Wisdom
Intersection
Life
Relationship
Evolution
Adaptive


ARCH 1101 EXP2 2010 designed by Ricky Fan The moodboard of the concept

The inspiration of the archilecture form

## I take effort to create

the architecture combining
gradually with the environment


## Meeting place:

For the aim of exchanging ideas, I create a space which is the fusion of the sky and earth; the mergence of the horizon and ground surface.
(The space seems to become'no boundary')


## S.H.'s Lab:

The idea of this space is 'undefine space', in general, the space is comprised from dot to line, from line to surface. But according to S.H.'s 'no boundary' idea, I make a bold assumption and create an experience of 'imaginative space:

The pattern is supporting this idea

C.D.'s Lab:
'Evolution' is C.D.'s great attainment. The key value of this space
are 'intersection', 'chain', 'growth' and 'unlimited'.
Stephen Hawking's space
No-Boundary boundary or edge, it would have neither beginning nor end: it would simply be. What place, then, for a creator?


## PATRICK LEAL



## PATRICK LEAL



## KEVIN SI



## KEVIN S

# XIN ZHANG 




## XIN ZHANG

XIN ZHANG


## XIN ZHANG

## XIN ZHANG




# JAMES HARGREVES 



## JAMES HARGREVES



## BRYAN NGUYEN



## WEN JUN HU

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QUESTIONS?

