



msd

**Melbourne
School of Design**

FACULTY OF
ARCHITECTURE,
BUILDING AND
PLANNING

www.msd.unimelb.edu.au

HOW VIRTUAL BECOMES REAL

Discretise a NURBS surface into a
structural diagrid (*G_01*)



DG Bank, F. GEHRY and SBP, Berlin, 2000



King's cross station, JOHN MCASLAN and ARUP, London, 2012



Smithsonian Institution, FOSTER + PARTNERS, Washington DC, 2004-2007

RELATED TUTORIALS



Start from a form-found surface

Video-tutorial G_01.2
“Form-finding in Karamba”
(dynamic relaxation)



Discretise a surface of translation

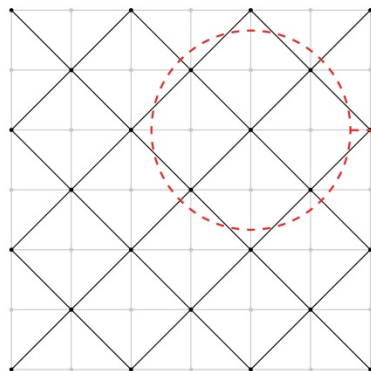
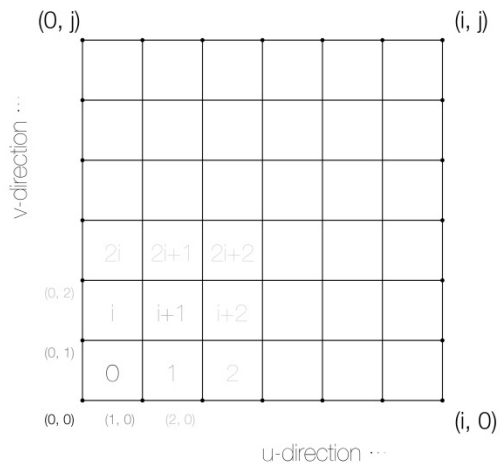
Video-tutorial on the
“Hippo house” case study
(planar quads)



Special patterns

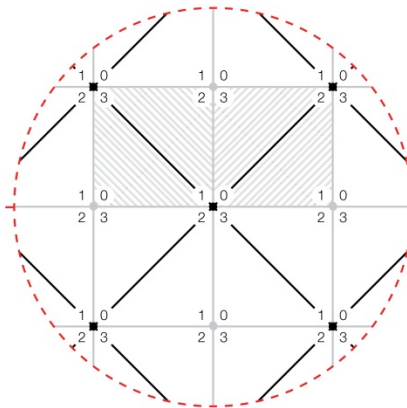
Separate video-tutorials on the
“Great court of the British Museum”,
“Dutch National Maritime Museum”,
etc.

u,v SUBDIVISION

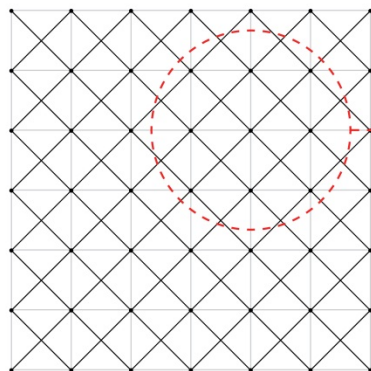


0-2 v 1-3

good



DIAGRID CONNECTIONS



0-2 \wedge 1-3

