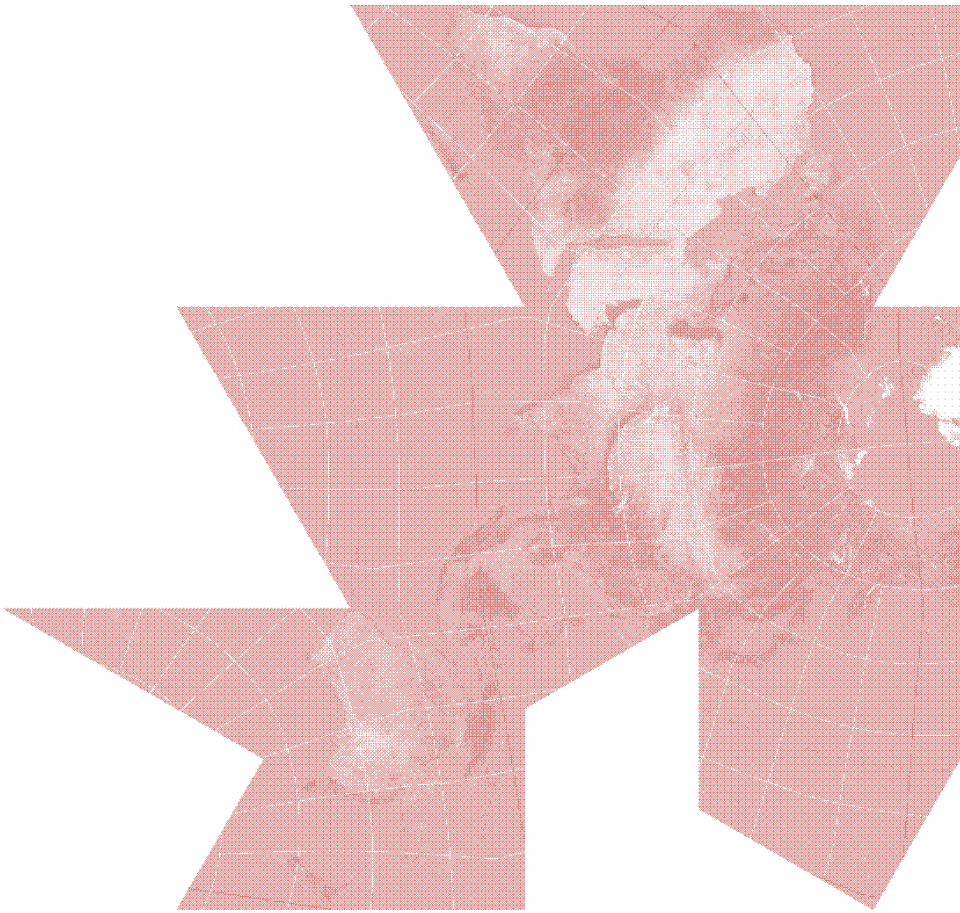
Electroknit Dymaxion

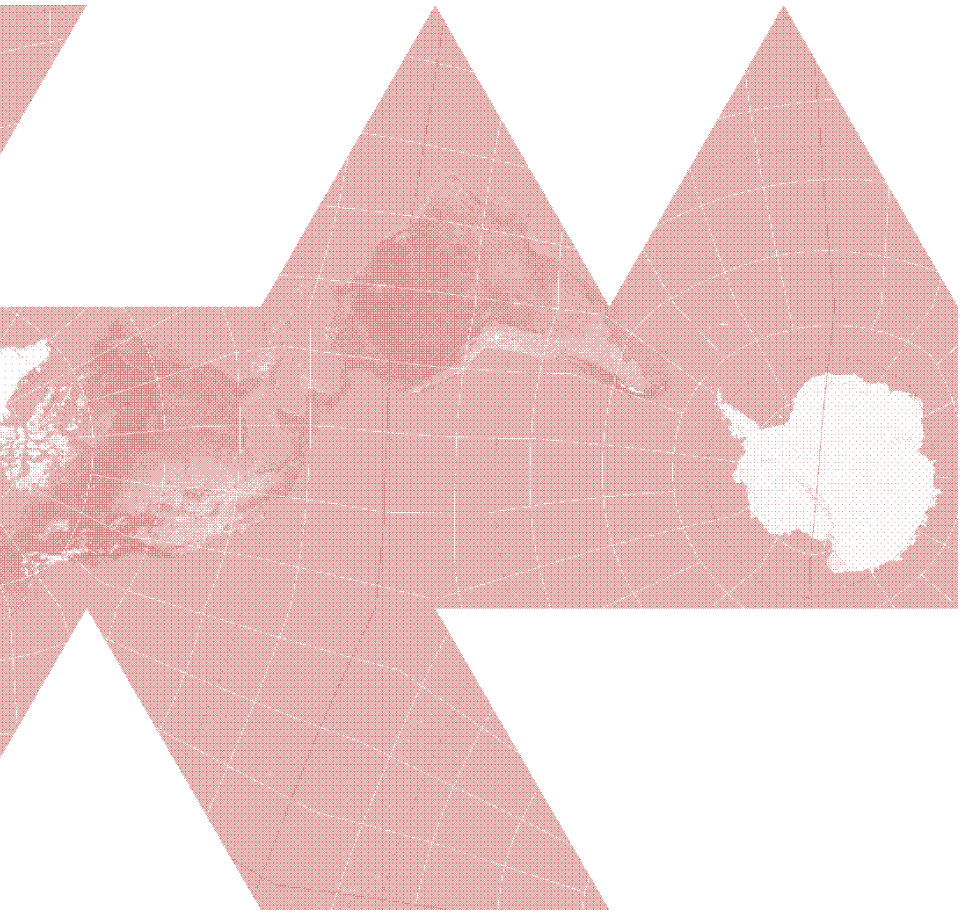
Cat Mazza & Lattice20 Collective

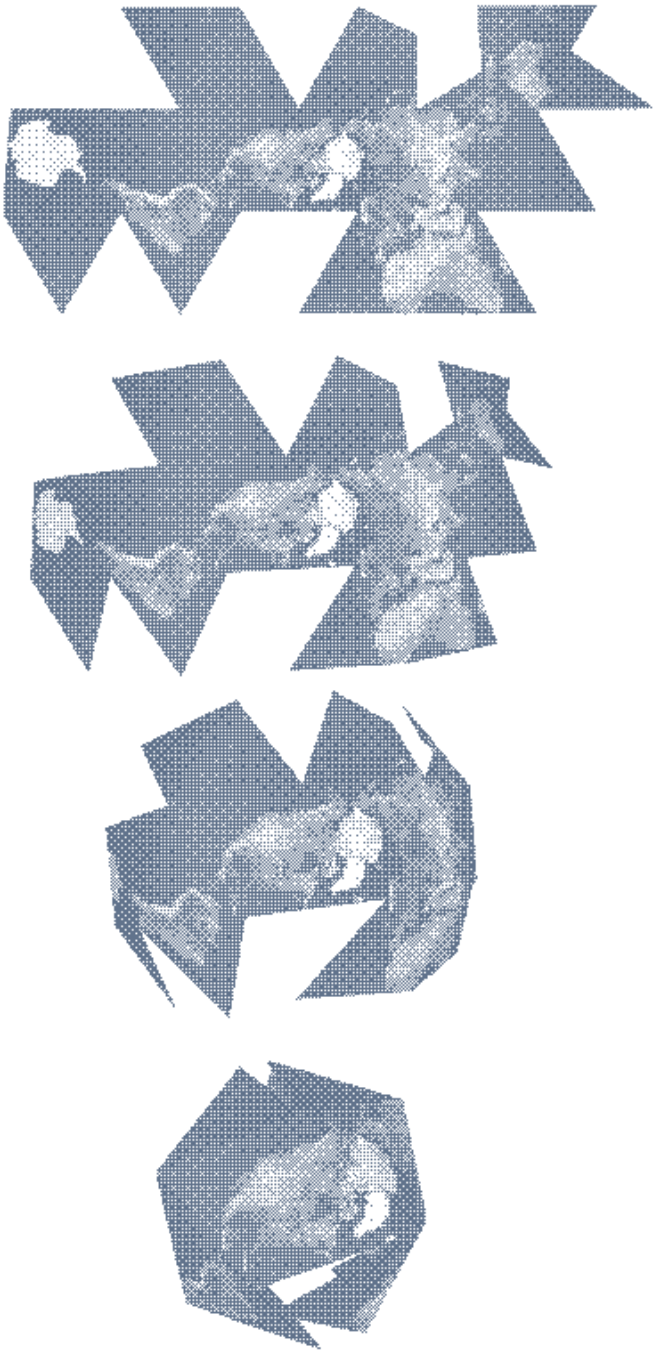
Bowdoin College Museum of Art

Dymaxion Map Projection

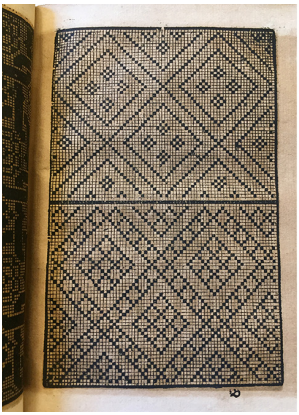
Developed by R. Buckminster Fuller, 1954





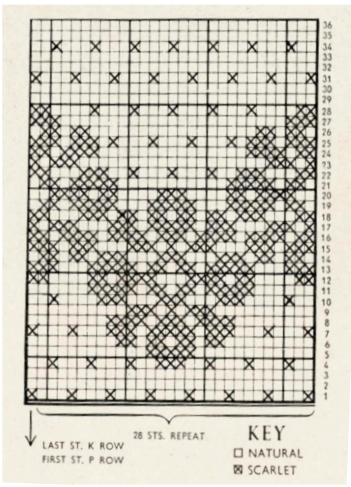


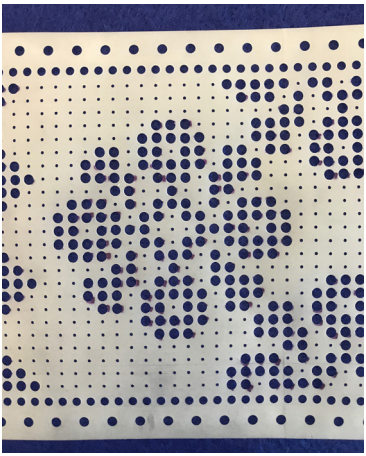
Process

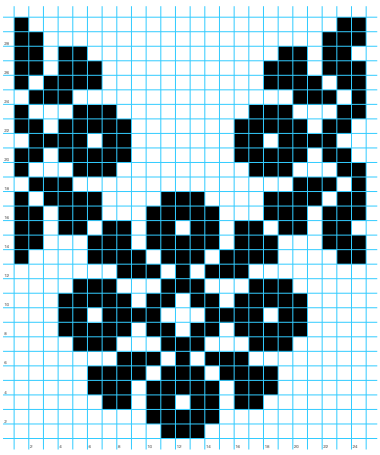


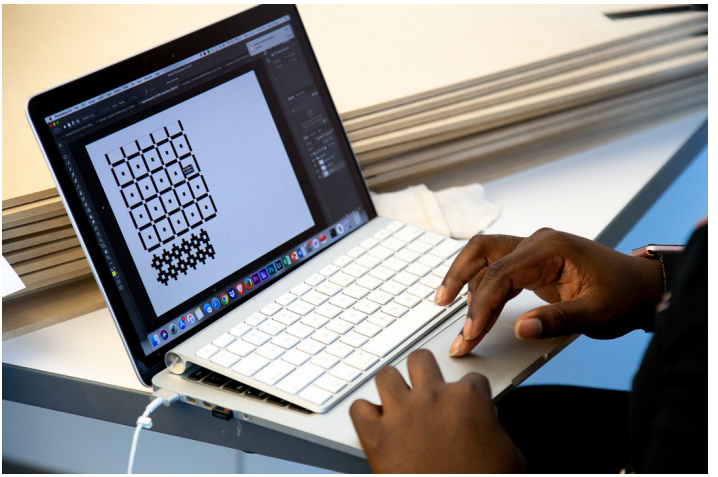
Grid Representations

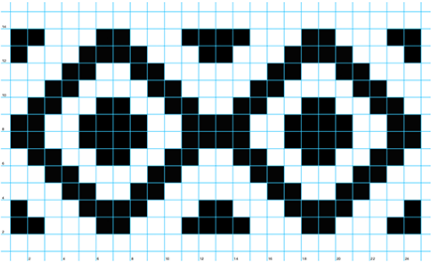
transcribing existing knit patterns to two-dimensional grids

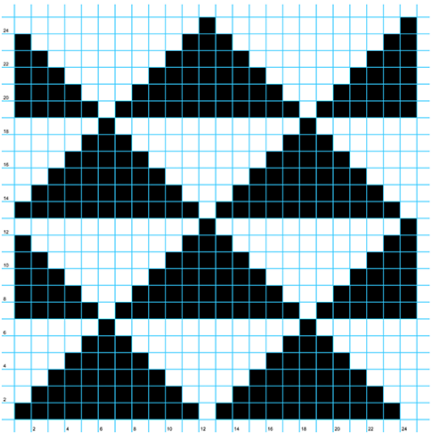


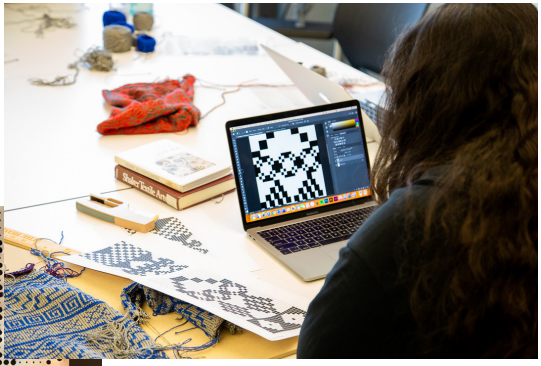


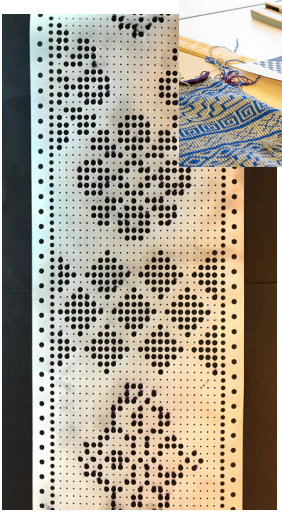


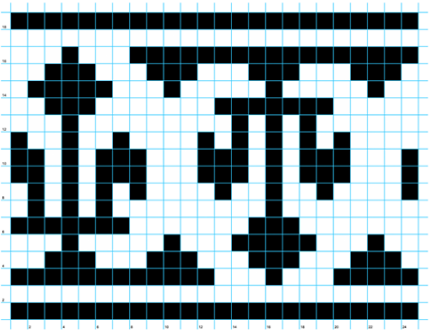


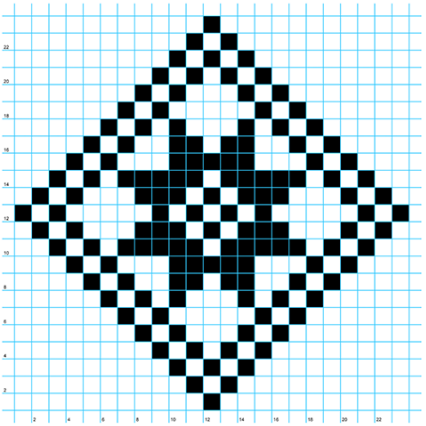


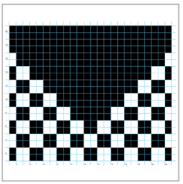












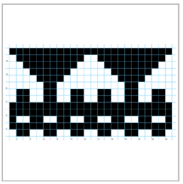
Library / Institution
Healey Library , UMass Boston

Research Material Location
UMass Boston

Source
Stone-Miller, Rebecca. Art of the Andes : from Chavín to Inca / Rebecca Stone-Miller. Thames & Hudson, 1996.

Map Area
Area 12

Researcher
Maria



Library / Institution
Healey Library , UMass Boston

Research Material Location
UMass Boston

Source
Schevill, Margot., et al. Textile Traditions of Mesoamerica and the Andes : an Anthology / Edited by Margot Blum Schevil, Janet Catherine Berlo, Edward B. Dwyer. 1st University of Texas Press ed., University of Texas Press, 1996.

Map Area
Area 12

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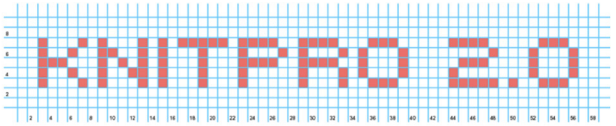
Maria



Choose a GIF, JPEG, or PNG image (file should be less than 1 MB).

Grid size:
- (•) Regular (48w x 64h)
- ( ) Big (96w x 120h)
- ( ) XL (120w x 160h)

Stitch size:
- (•) Needlepoint, Cross Stitch, Crochet (1:1)
- ( ) Knit Portrait (5:7)
- ( ) Knit Landscape (7:5)

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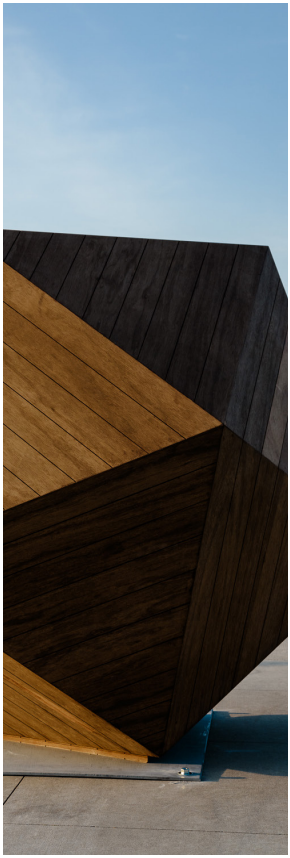
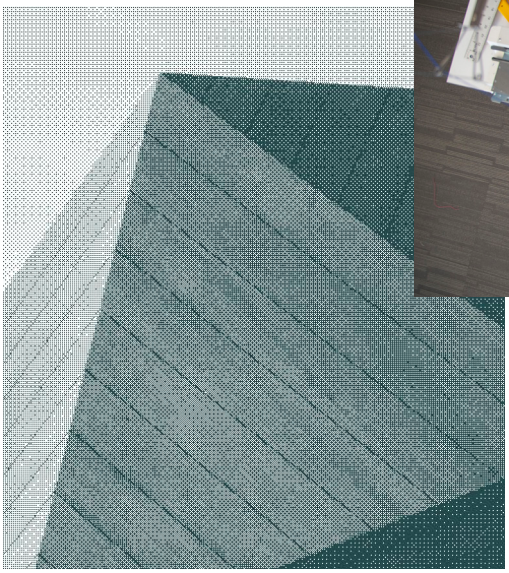


Electroknit Dymaxion *is a sculpture that draws on Buckminster Fuller's dymaxion map — a two-dimensional map that folds into an angular sphere: a three-dimensional icosahedron that represents the globe. The sculpture is constructed in wood, with a machine-knitted interior made up of global textile patterns spatially mapped to their relative location. The patterns are recorded from century-old notebooks, manuscripts, vintage craft magazines, knitting machine handbooks — all accessed through Boston based libraries and archives, with a few patterns downloaded as PDFs from the far corners of the internet.*



This project *was made by Cat Mazza and the 5-person collective Lattice20 (Nia Duong, Maria Gonzalez, Remy Hunter, Erica Imoisi, Tony Pierre), all of whom transcribed numerous patterns pixel by pixel, clipping them into a punch-card read by our "Electroknit" knitting machine.*