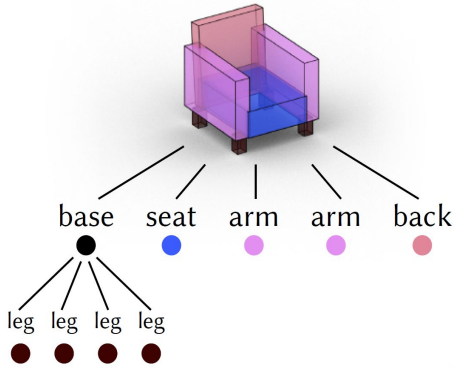
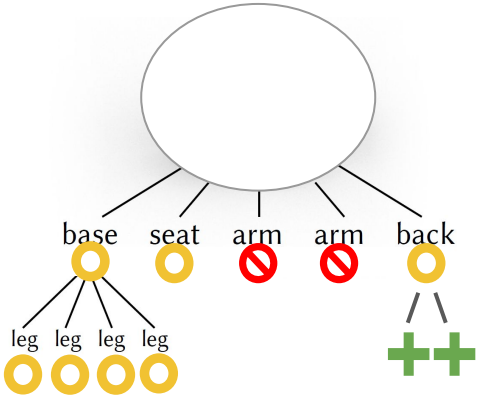
StructEdit: Learning Structural Shape Variations

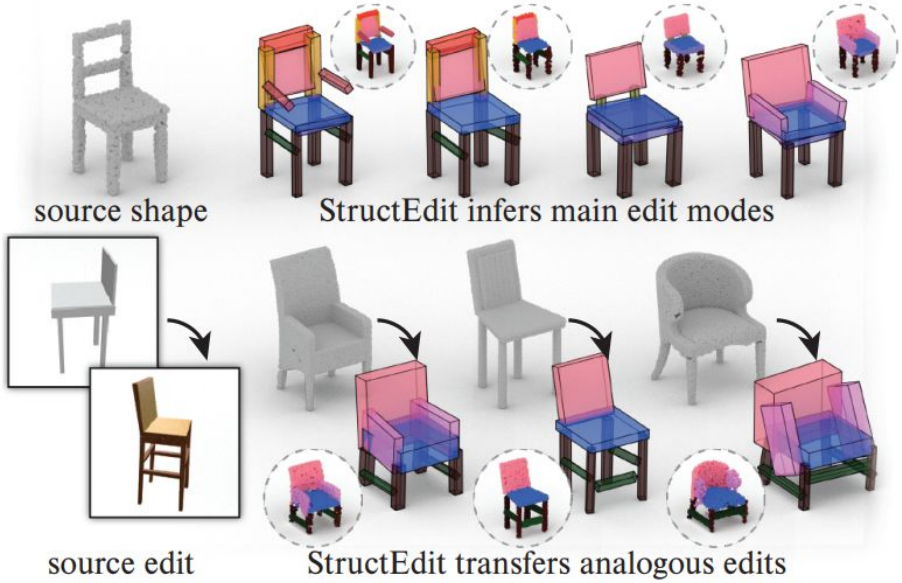
Kaichun Mo, Paul Guerrero*, Li Yi, Hao Su,*
Peter Wonka, Niloy Mitra, Leonidas Guibas

Shape
(Part Hierarchy)



Shape-Delta
(Hierarchy Difference)





(Data and Code has been released)

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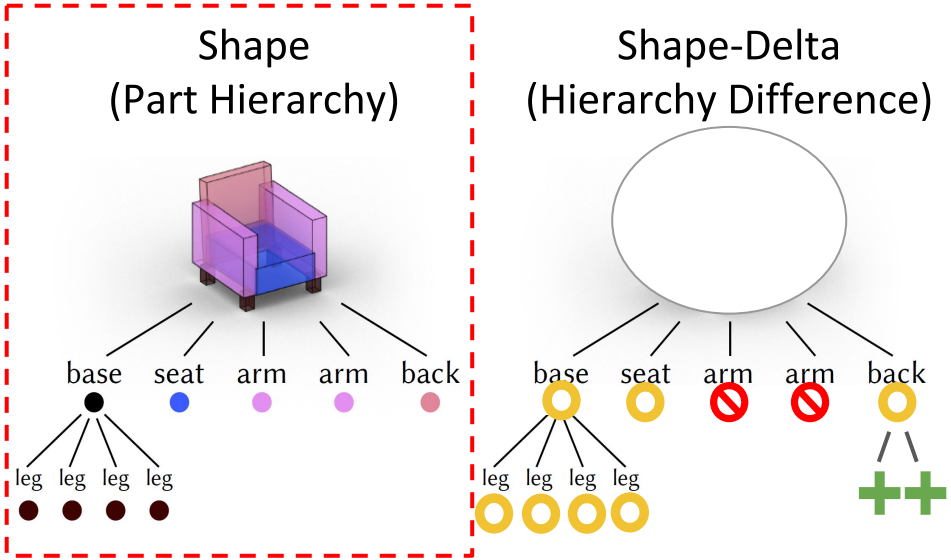

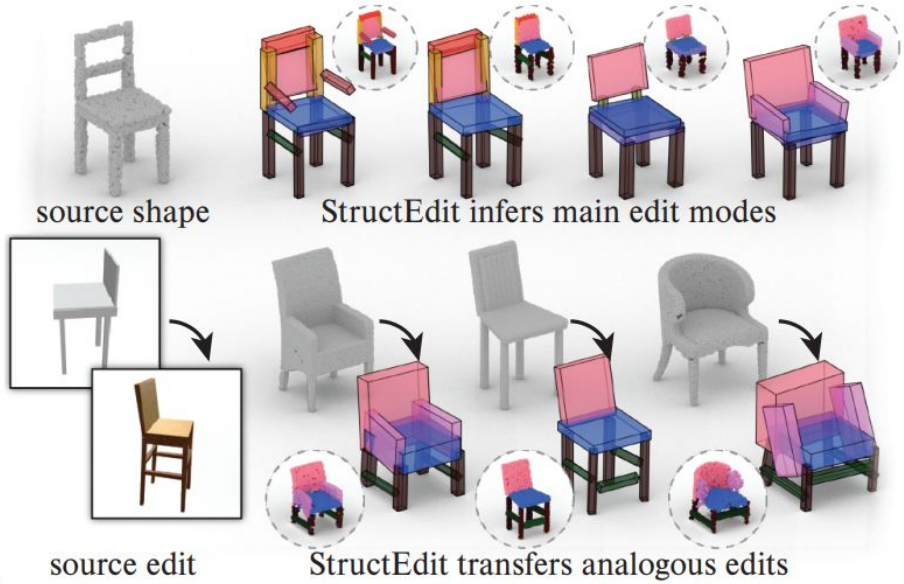

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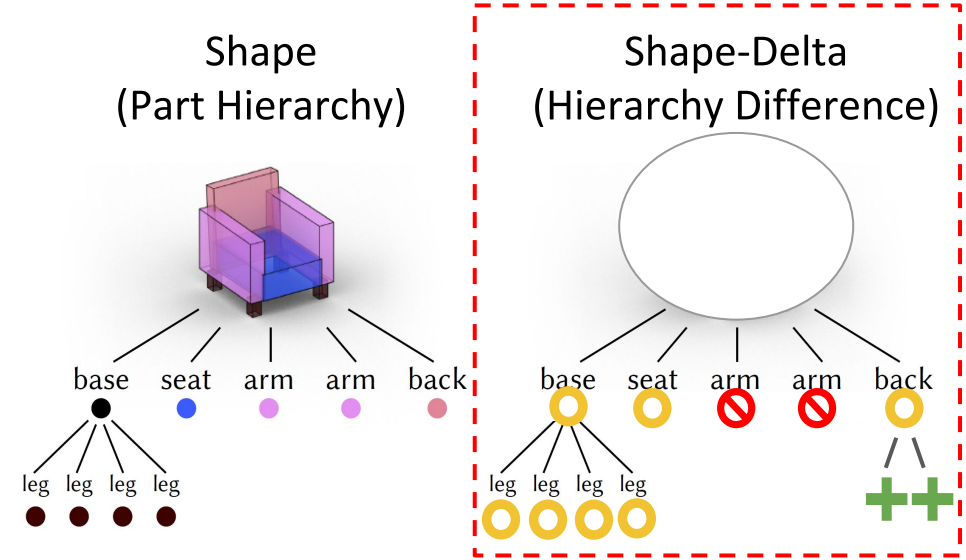

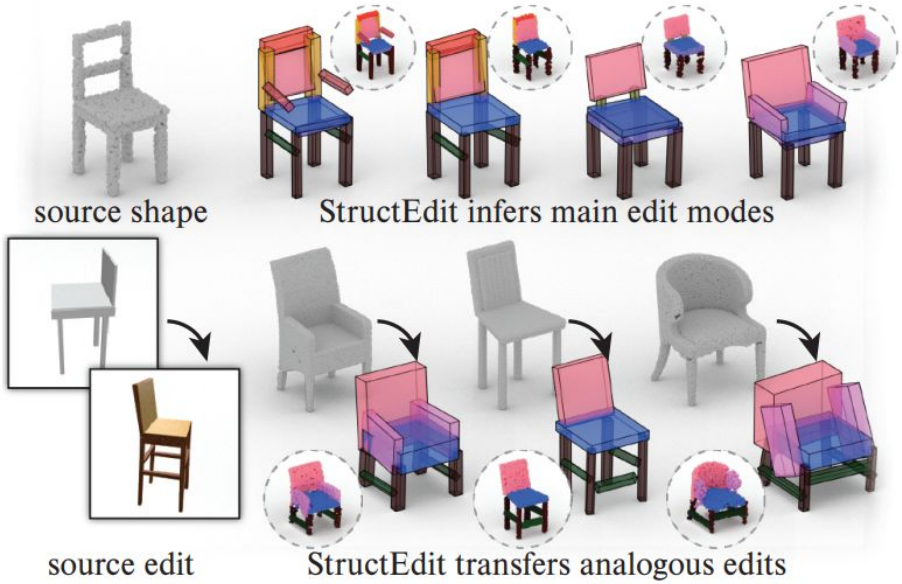

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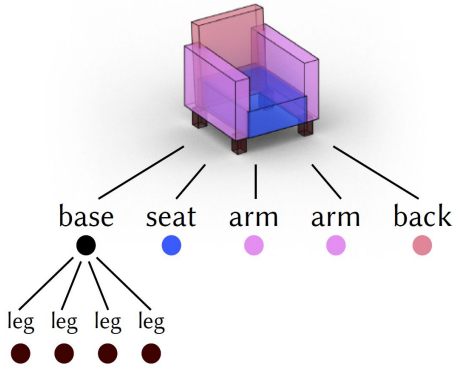
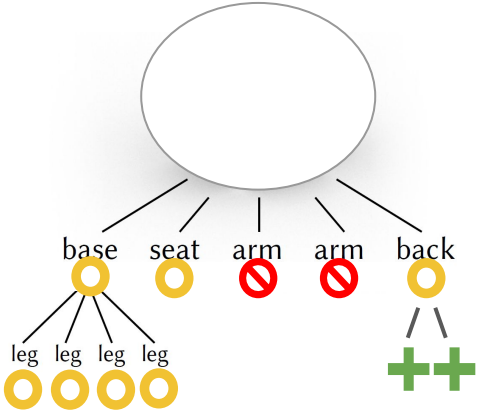
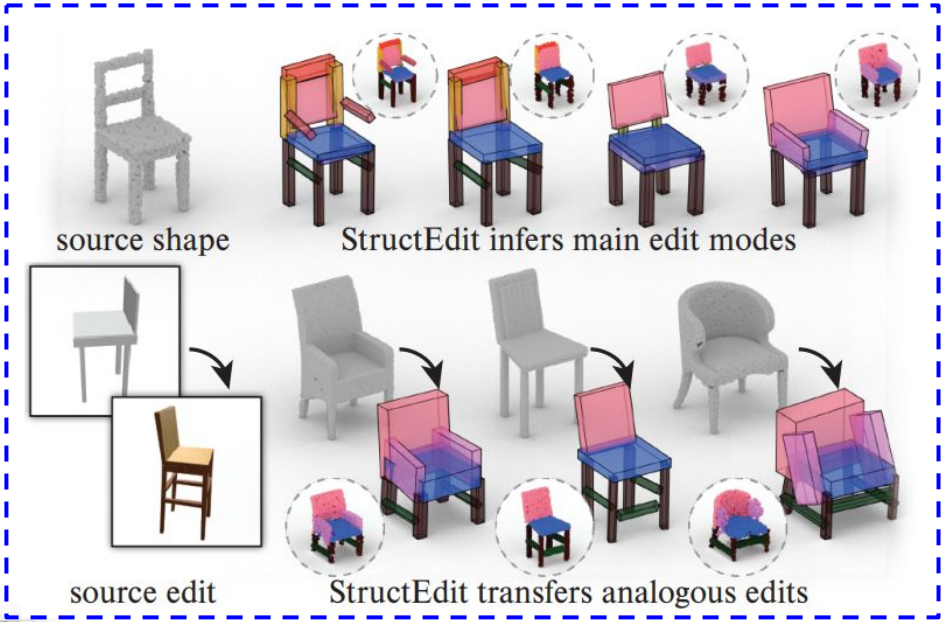


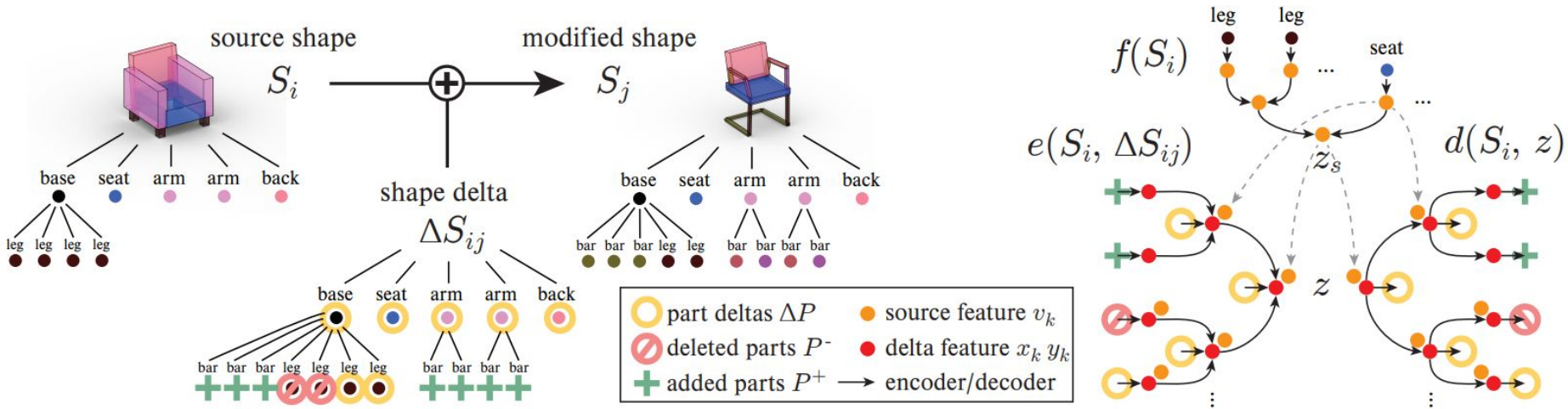
Shape-Delta
(Hierarchy Difference)



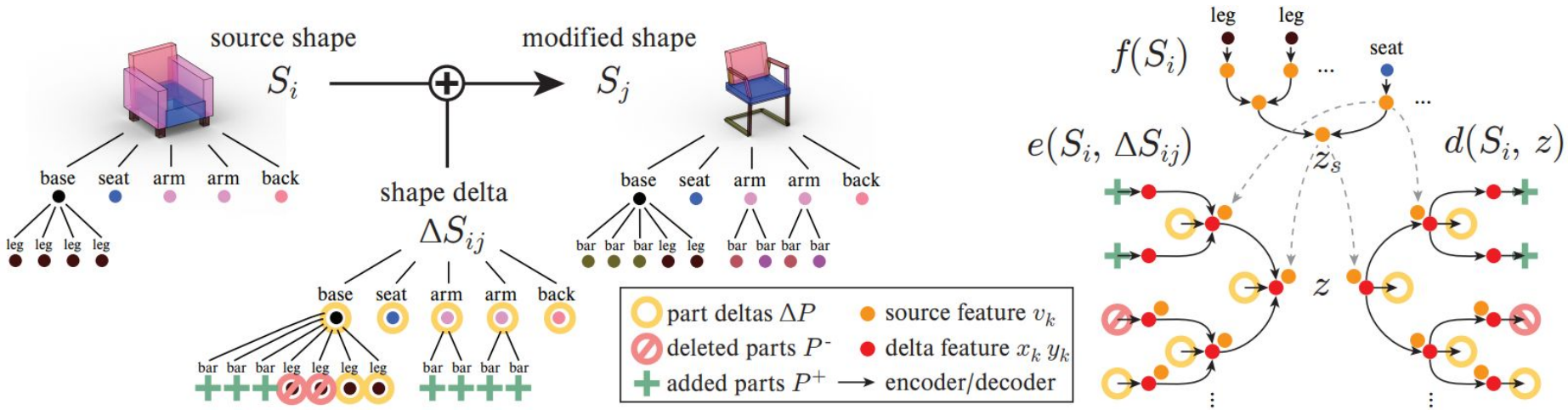


(Data and Code has been released)

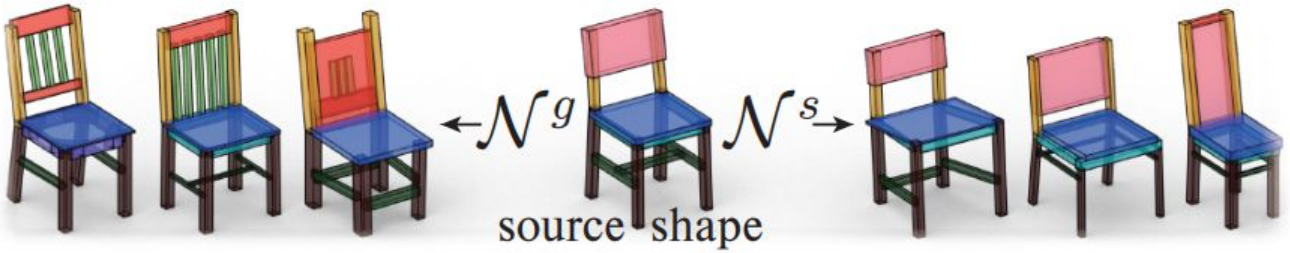
Network Architecture: conditional-VAE



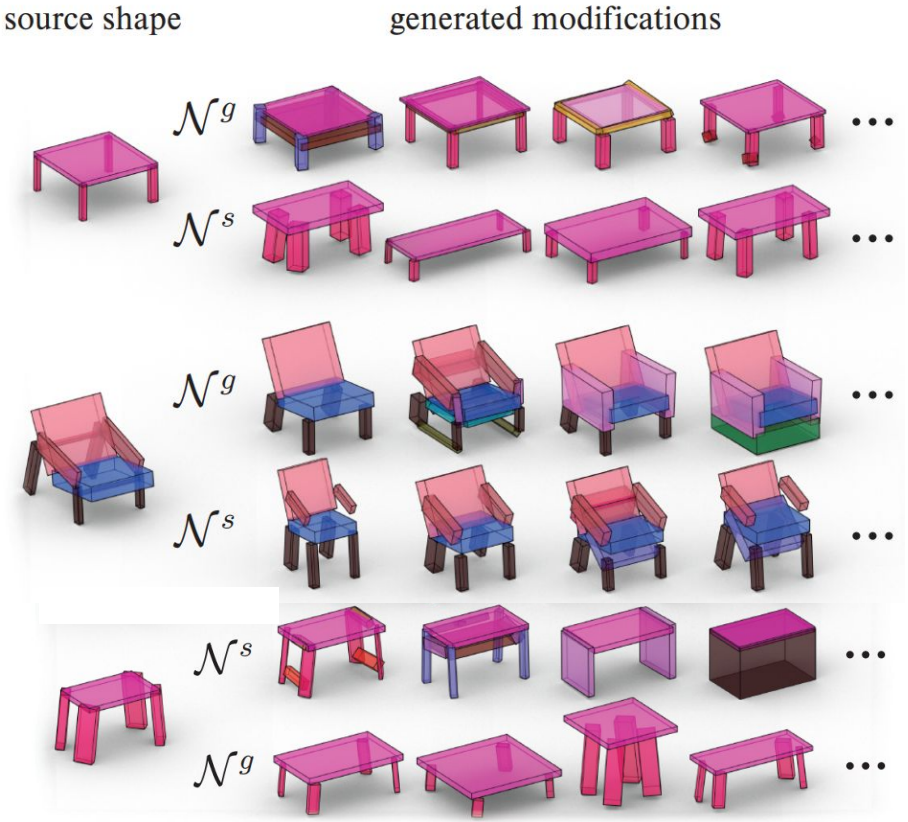
Network Architecture: conditional-VAE

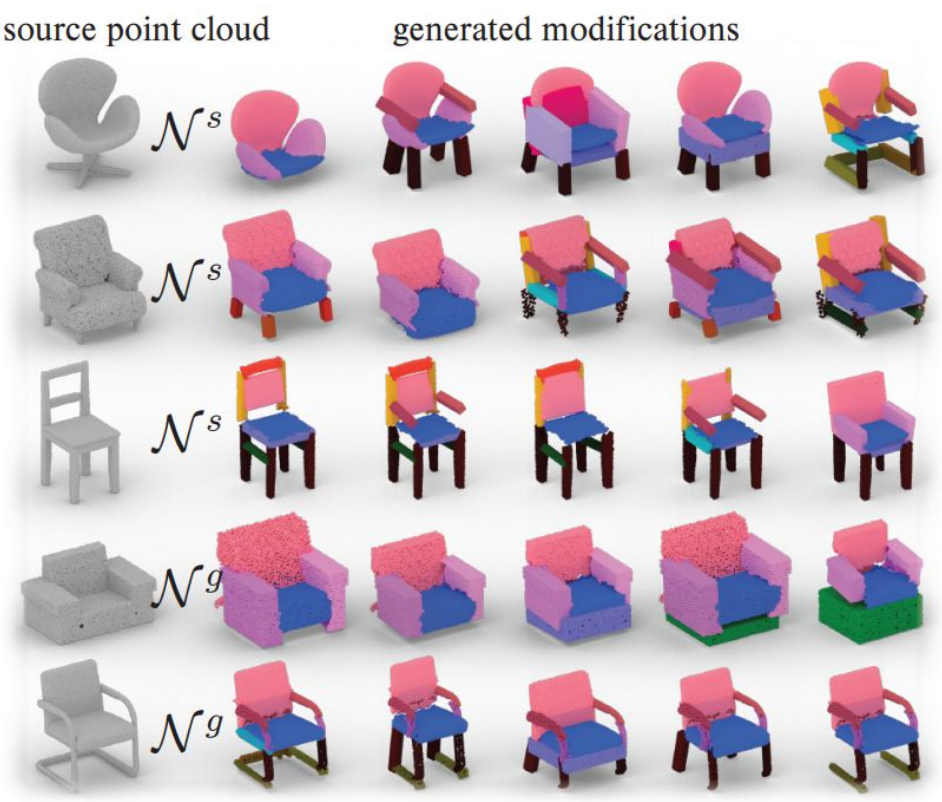


Adaptive to Different Types of Shape Neighborhood

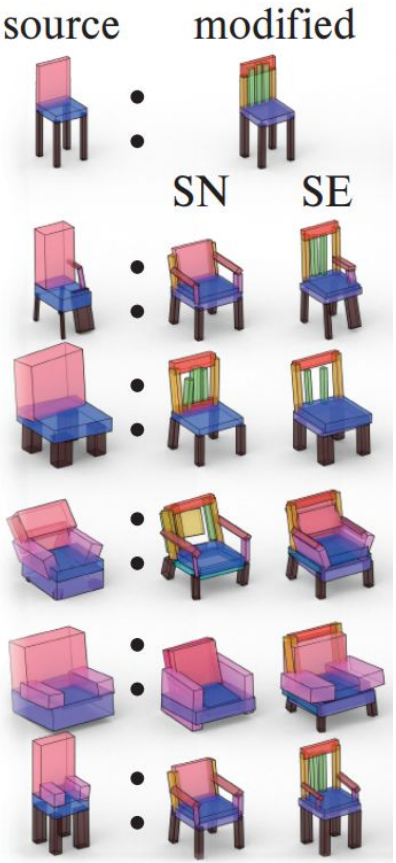


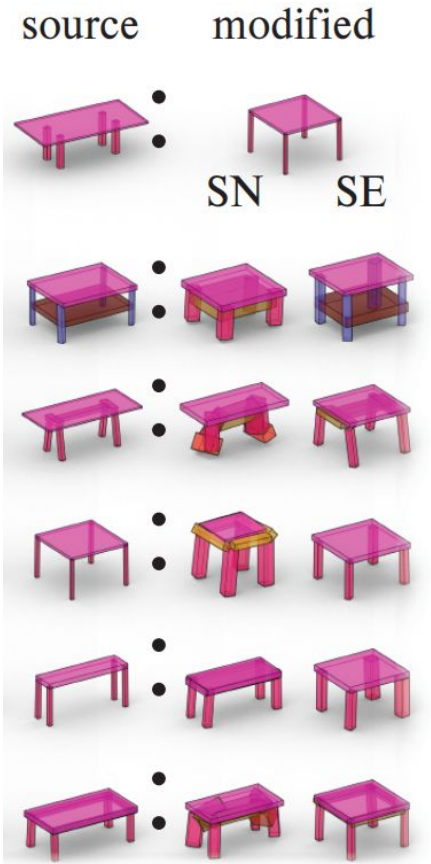
Application: Generate Plausible Shape Variations

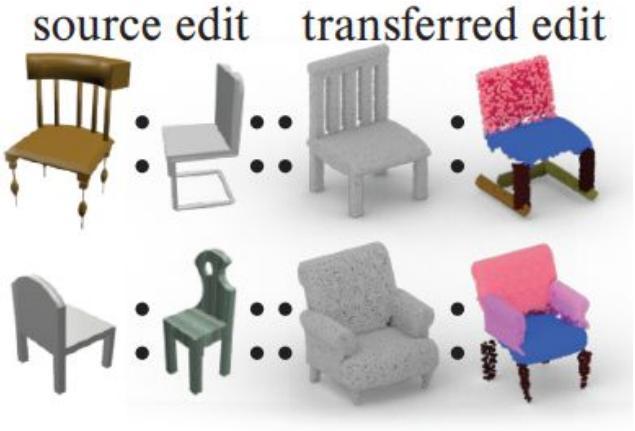




Application: Transfer Shape Edits







Thank you!

Project: https://cs.stanford.edu/~kaichun/structedit
Github: https://github.com/daerduoCarey/structedit

Looking forward to E-meeting you for questions!