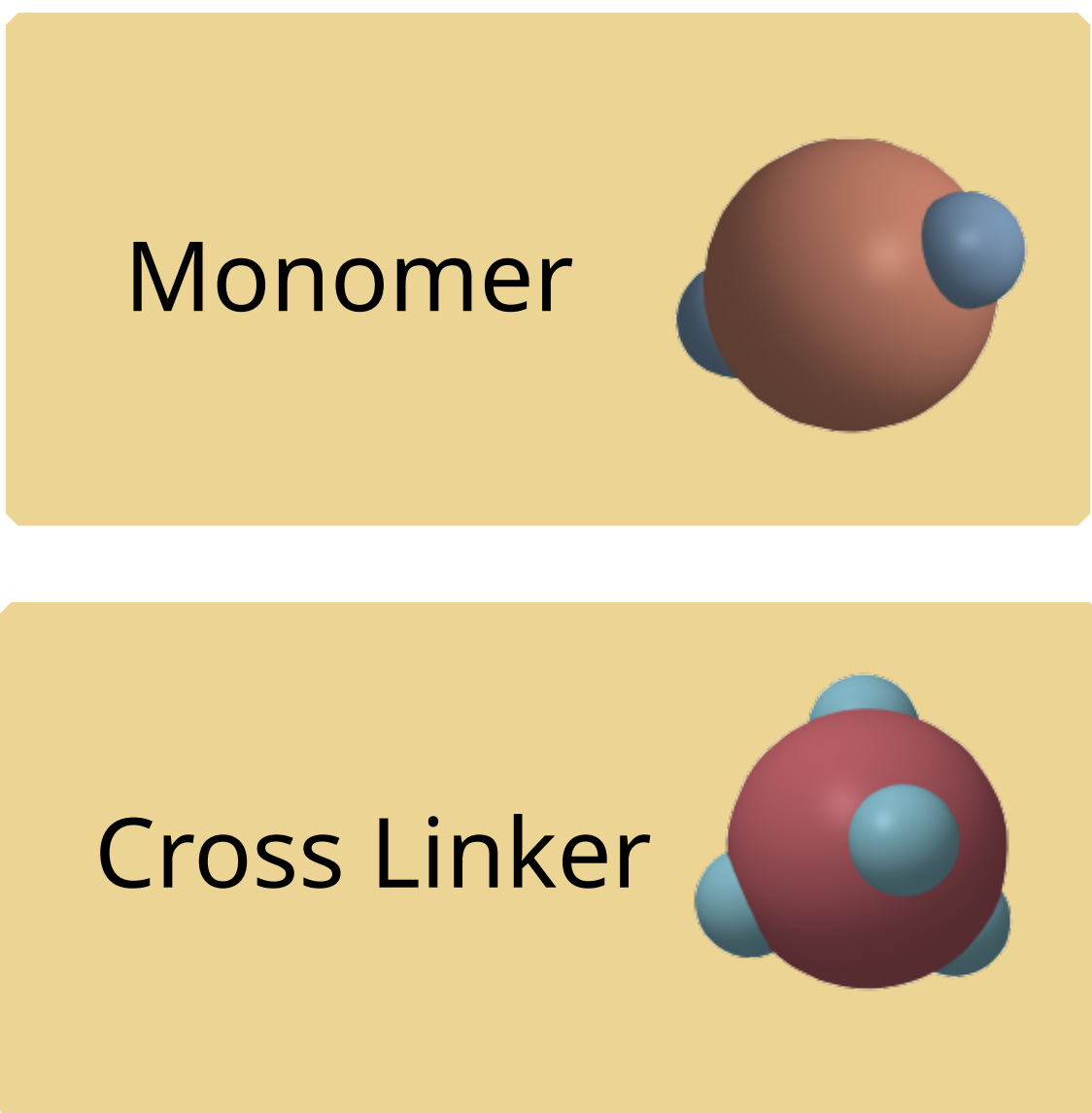


# Stress analysis in a patchy-particle based hydrogel simulation

Francisco Javier Vazquez-Tavares<sup>1</sup>, Felipe Benavides<sup>1</sup>, Caludia Ferreiro-Cordova<sup>2</sup>, Antonio Ortiz-Ambriz<sup>1</sup>

## Description of the model

A paragraph with explanation of the patchy methodology and some cites in which they used the same or similar methodology. There will be more sentences and that stuff, so I write these words to fill out the space. Also this other sentece to add more text and space and that is the general idea of this block. To be a place holder of text.



## Interaction between patches

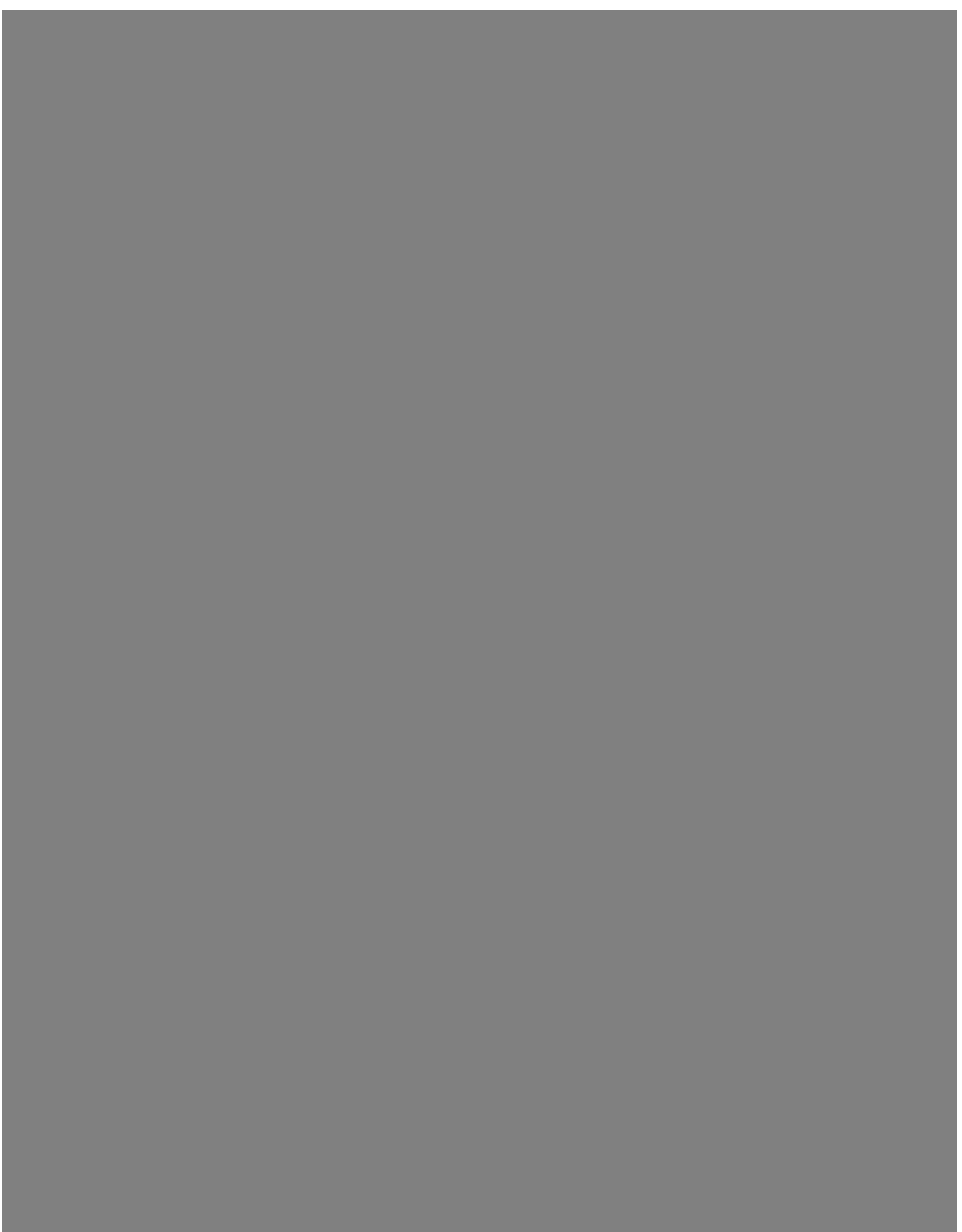
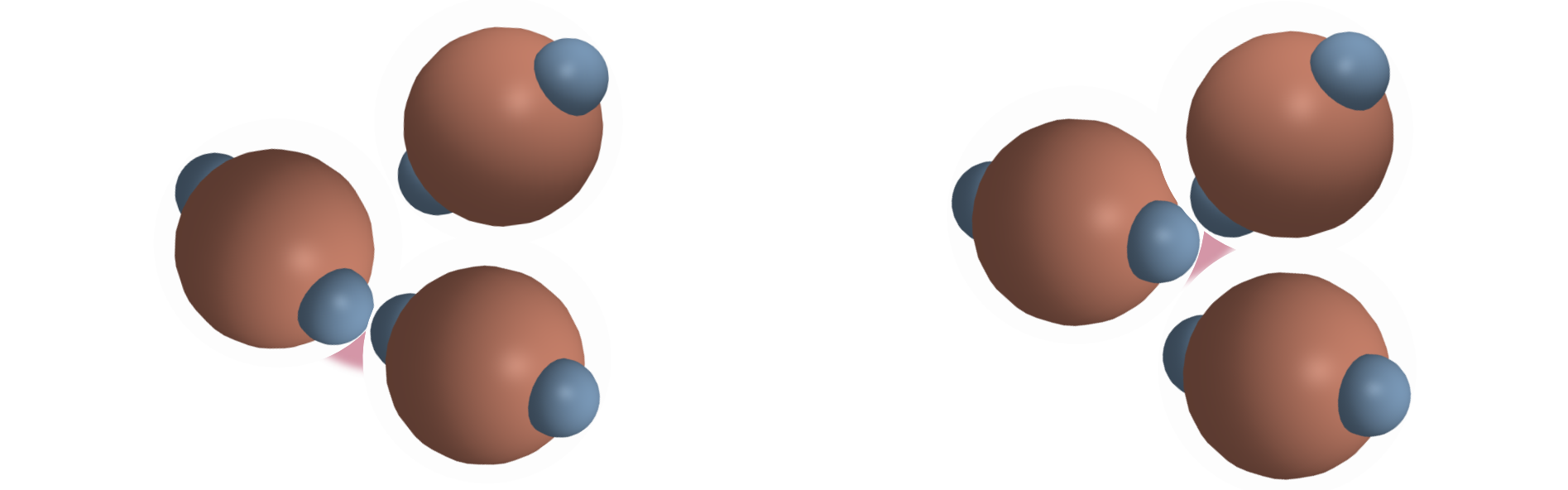
A paragraph with explanation of the patchy methodology and some cites in which they used the same or similar methodology. There will be more sentences and that stuff, so I write these words to fill out the

Patch B - Patch B

Patch A - Patch B



Swap Mechanism



## Simulation protocols

A paragraph with explanation of the patchy methodology and some cites in which they used the same or similar methodology. There will be more sentences and that stuff, so I write these words to fill out the space. Also this other sentece to add more text and space and that is the general idea of this block. To be a place holder of text.

Heat up

Isothermal

Initial conditions

Network

Final network

Shear deformation and relaxation intervals

Before flip

After flip

No flip

## Conclusion

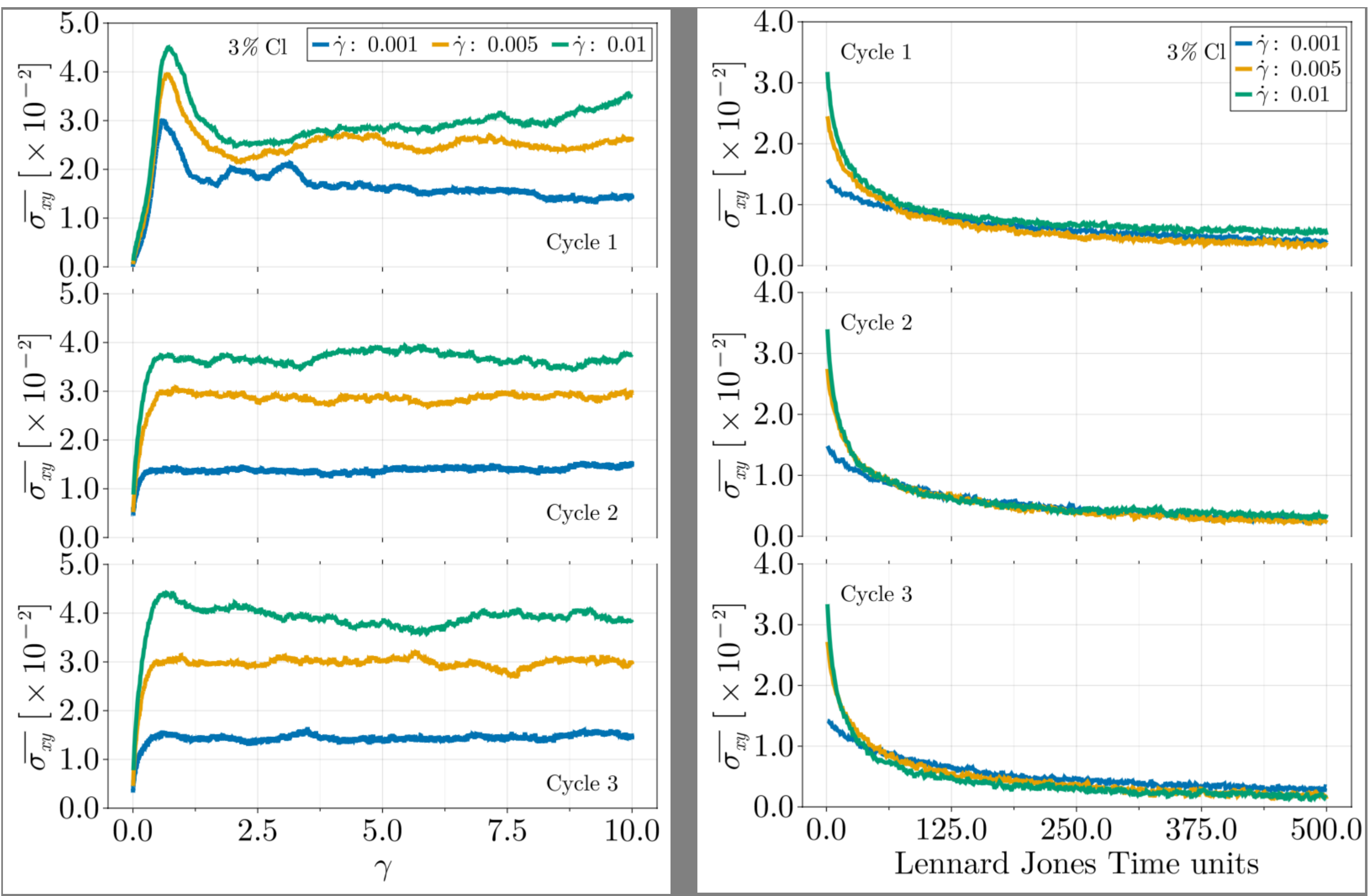
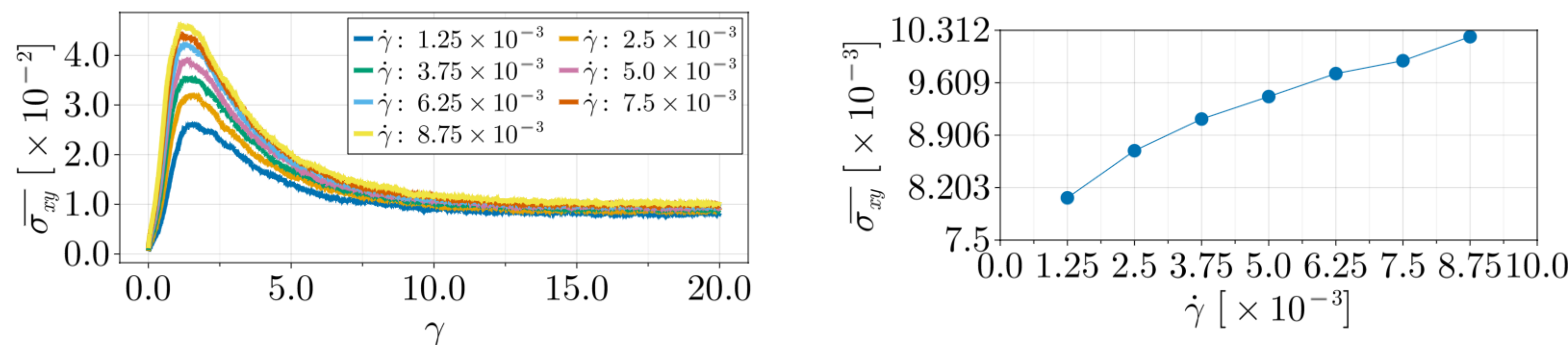
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QR to git hub

A paragraph with explanation of the patchy methodology and some cites in which they used the same or similar methodology. There will be more sentences and that stuff, so I write these words to fill out the space. Also this other sentece to add more text and space and that is the general idea of

## Results

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