

Stress analysis in a patchy-particle based hydrogel simulation

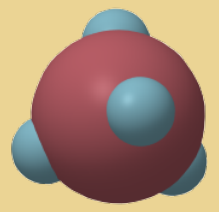
Francisco Javier Vazquez-Tavares¹, Felipe Benavides¹, Caludia Ferreiro-Cordova², Antonio Ortiz-Ambriz¹

Introduction to 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.

However I needed paragraph in the place holder, so I started to write this sentece and maybe other more senteces will be written. An those other sentences are those composed by the las few word and the other following few words. I should continue with the other segments of the poster.

Cross Linker



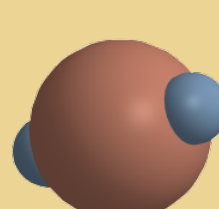
Patch A



Patch B

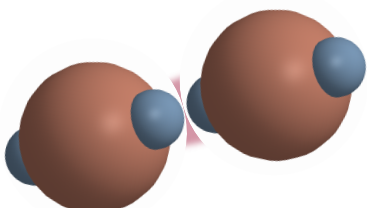


Monomer

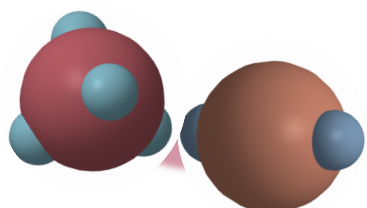


Interaction between patches

Patch B - Patch B



Patch A - Patch B



Swap Mechanism



Simulation protocols

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Heat up

Isothermal

Initial conditions

Network

Final network

Shear deformation and relaxation intervals

Before flip

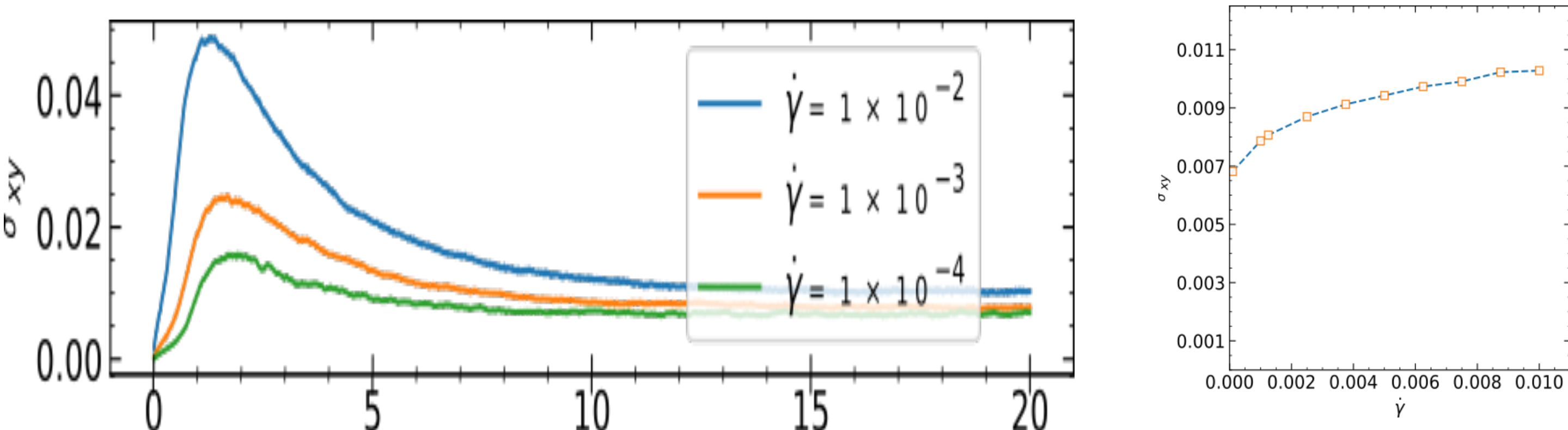
After flip

No flip

Results

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.

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Conclusion

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References

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