

### Updated Submission

Dear SciVis Contest 2022 Committee,

Many thanks for considering my contribution and your feedback.

This resubmission includes the below updates,

The review committee feedback is taken into account.

The resolution of the animations is improved.

The analysis of the streamlines is added (**MiladBagheriSciVisContest\_Streamlines.mp4** ).

The updates include the following files:

1. MiladBagheriSciVisContest\_CA\_New.mp4
2. MiladBagheriSciVisContest\_VA\_New.mp4
3. MiladBagheriSciVisContest\_Streamlines.mp4
4. MiladBagheriSciVisPreRecordedVideo.mp4

A subfolder named *AllTheVideosSeparately* that contains every single video in \*.mp4 format. This is provided in case the committee needs any of the single visualizations. All the single frames can also be shared if it is required.

Best regards,

Milad Bagheri

Mathematical Modeling and Analysis

Computational Multiphase Flow

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