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THE EFFECT OF COLUMN TILT ON FLOW HOMOGENEITY AND
PARTICLE AGITATION IN A LIQUID FLUIDIZED BED

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Highlights

- The motion of particles in a solid-liquid fluidized bed was studied experimentally.
- We show that a small tilt angle induces large recirculation loops develop within the bed.
- The inhomogeneity leads to significant differences in velocity fluctuations and in the particle self-diffusion coefficient in the vertical direction.

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