**Bifurcated bubbling**

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**Must bubbling behave as a single chain of vertical rising bubbles?**

We found bifurcated bubbling which comes from Taylor flows injecting into liquid with:

- Various bifurcation angles
- Various bubble radius $R$
- Bubble chains rotation
- Even unequal $R$
- Even 3 chains

**Various bubble radius $R$**

- $R = 0.4\text{mm}$
- $R = 0.8\text{mm}$
- $R = 1.2\text{mm}$

**Physical reason: bubble interaction**

**The New Bubbling**

- One nozzle,
- More chains,
- More orientations.