

# Bubbles in Ice

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Gases are naturally dissolved in water. As water freezes, these gases are rejected by the ice and accumulate at the moving front.

Bubbles nucleate in this enriched environment and grow before getting trapped in the ice. Their final shape and size, ranging from pear-like to elongated cylinders, is governed by a delicate interplay between the rate at which they grow and the rate of freezing.

Using polarized lighting we are able to outline the bubbles trapped in ice in a colorful way.

