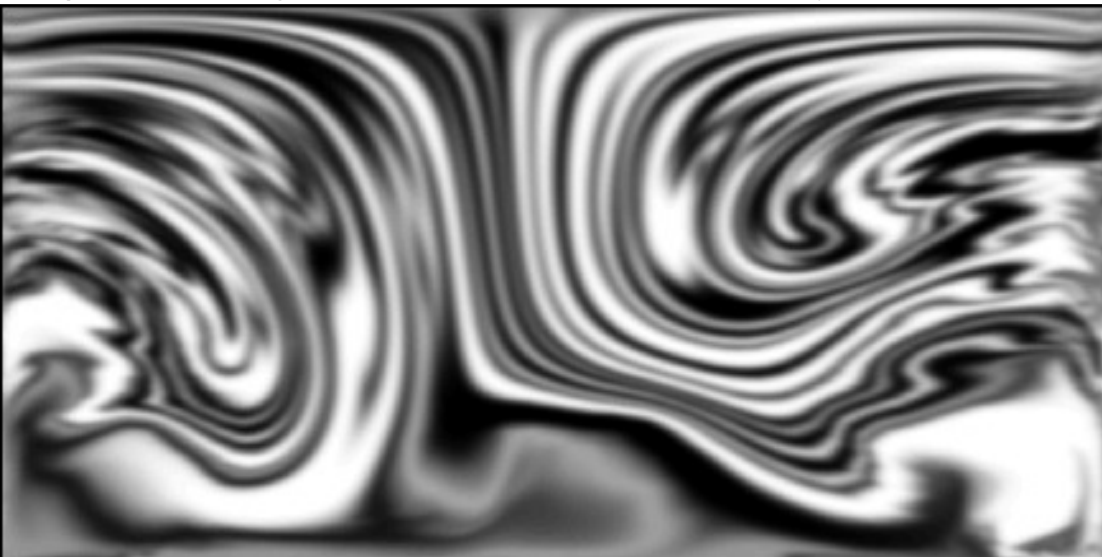
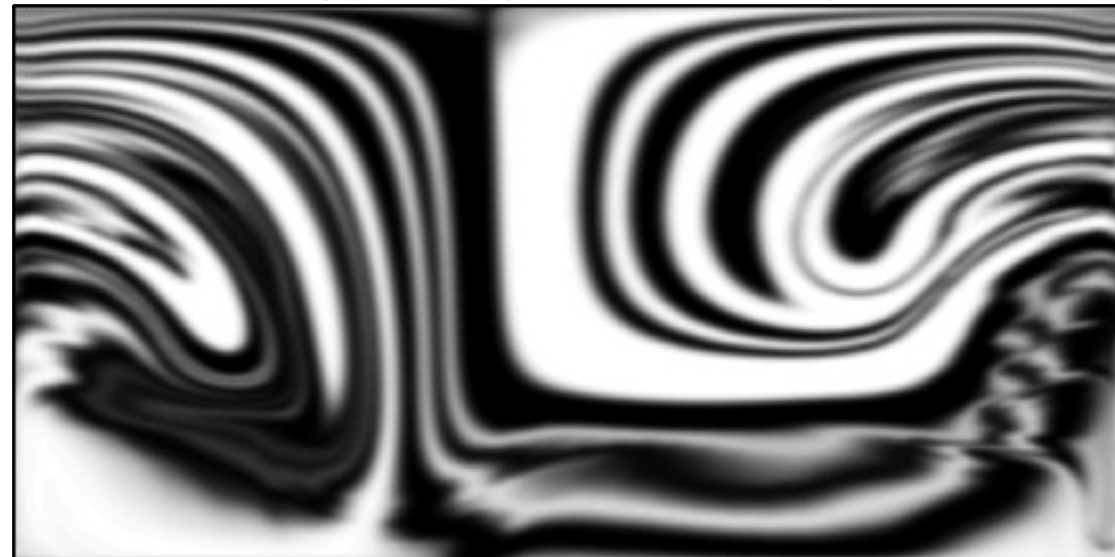


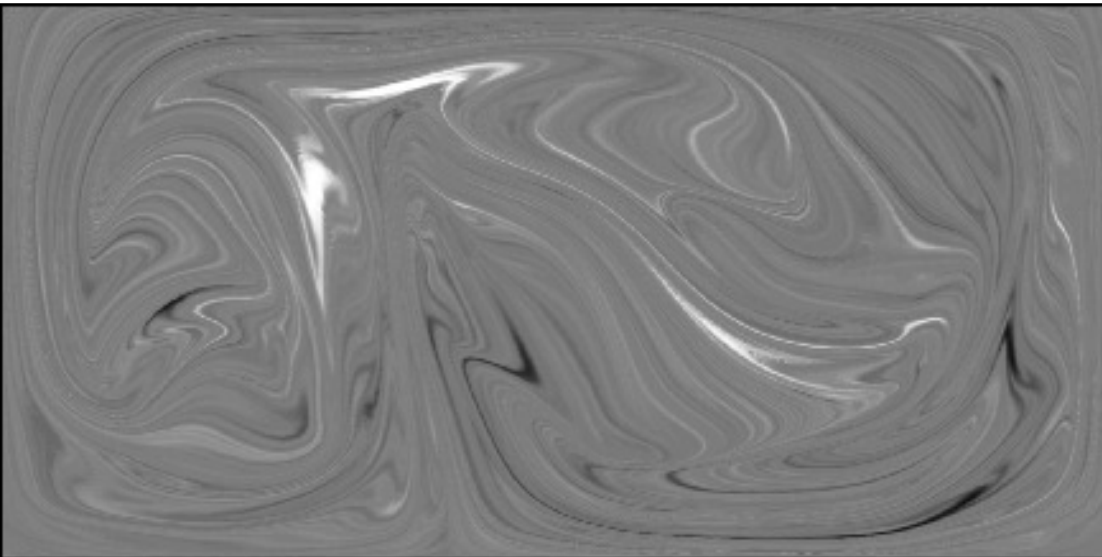
(a) optimal herringbone structure,  $x=0.60\text{cm}$ , 5th cycle,  $t=0.5\text{sec}$



(b) Stroock's herringbone design,  $x=0.70\text{cm}$ , 5th cycle,  $t=0.6\text{sec}$



(c) optimal 3-D structure,  $x=0.60\text{cm}$ , 15th cycle,  $t=3.3\text{sec}$



(d) optimal 3-D structure,  $x=0.12\text{cm}$ , 3th cycle,  $t=0.7\text{sec}$

