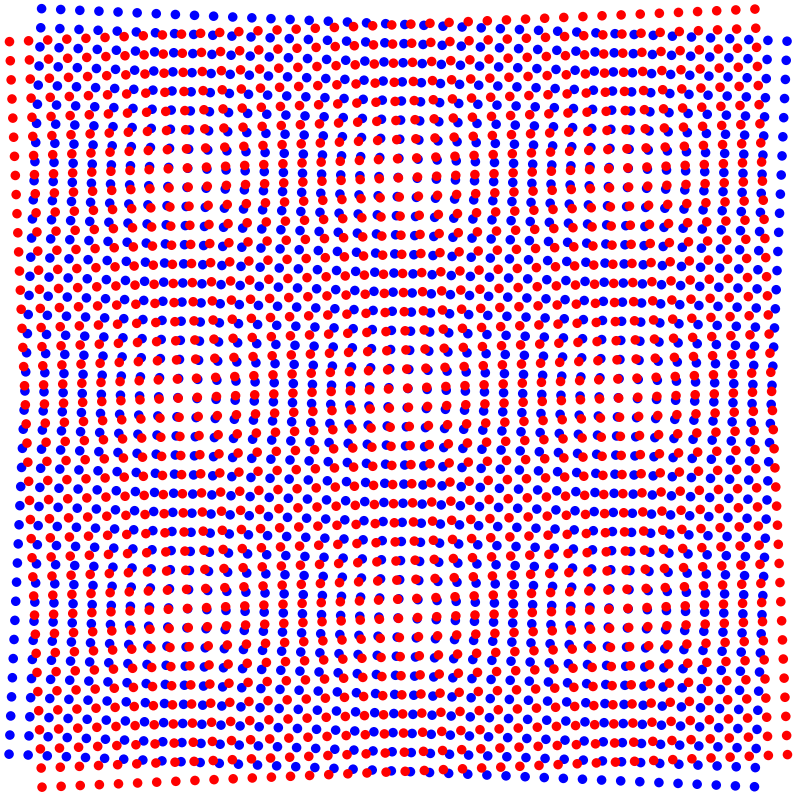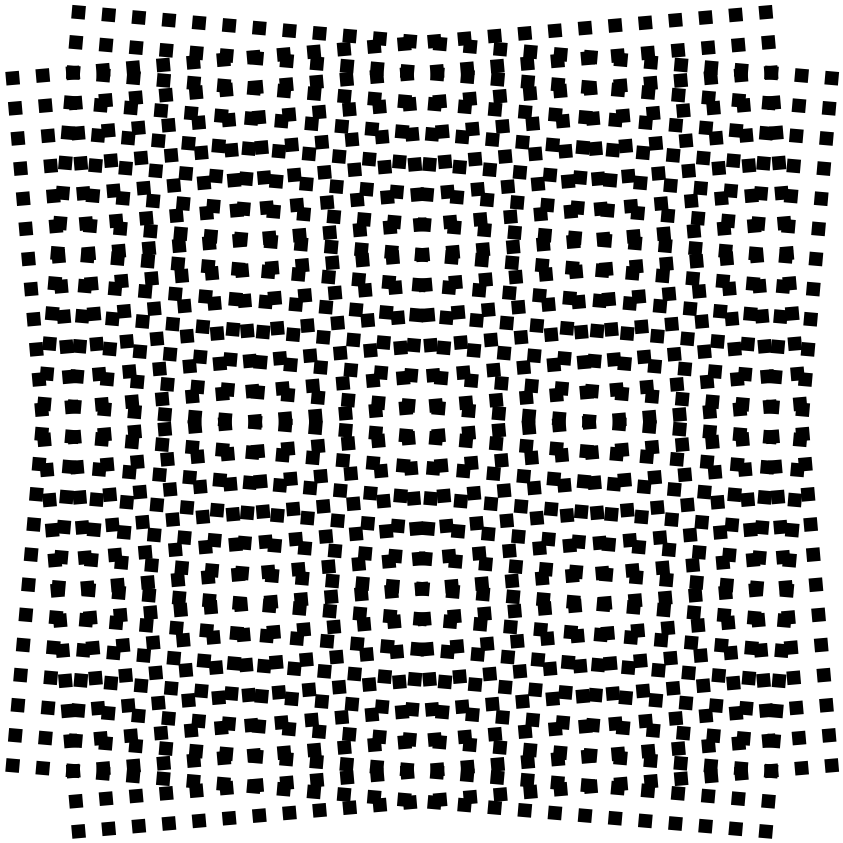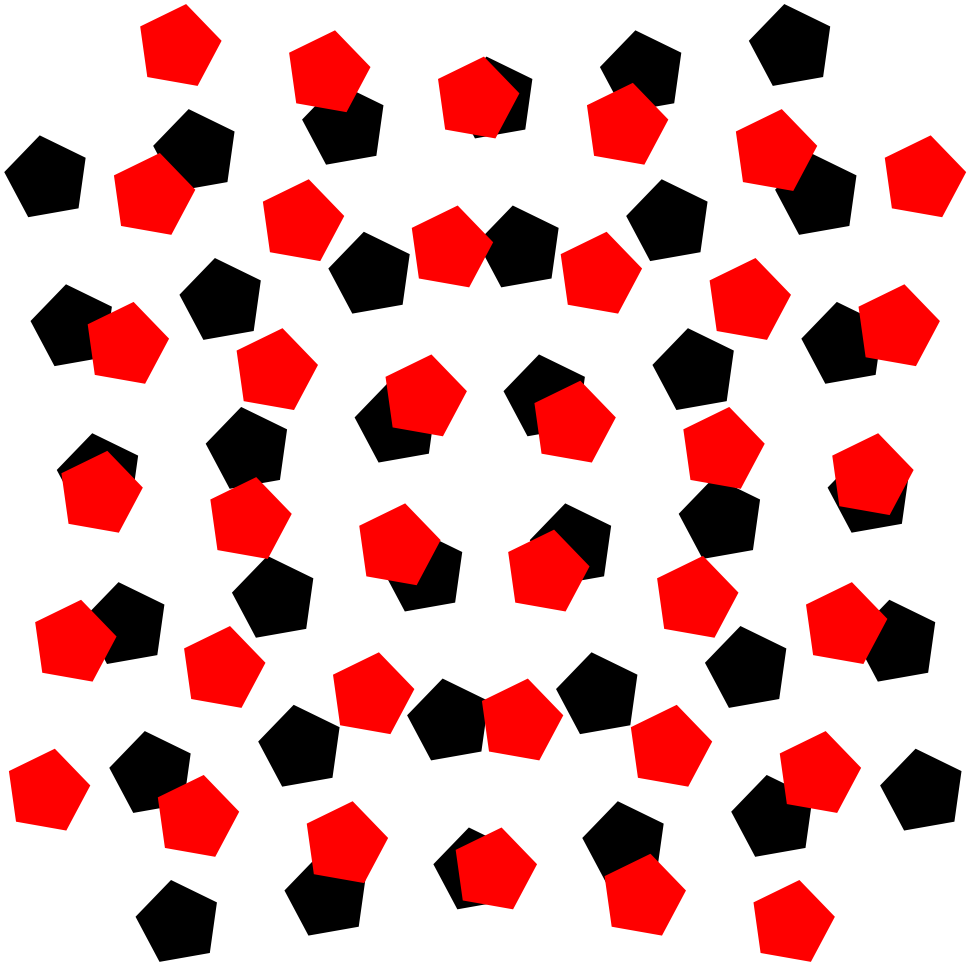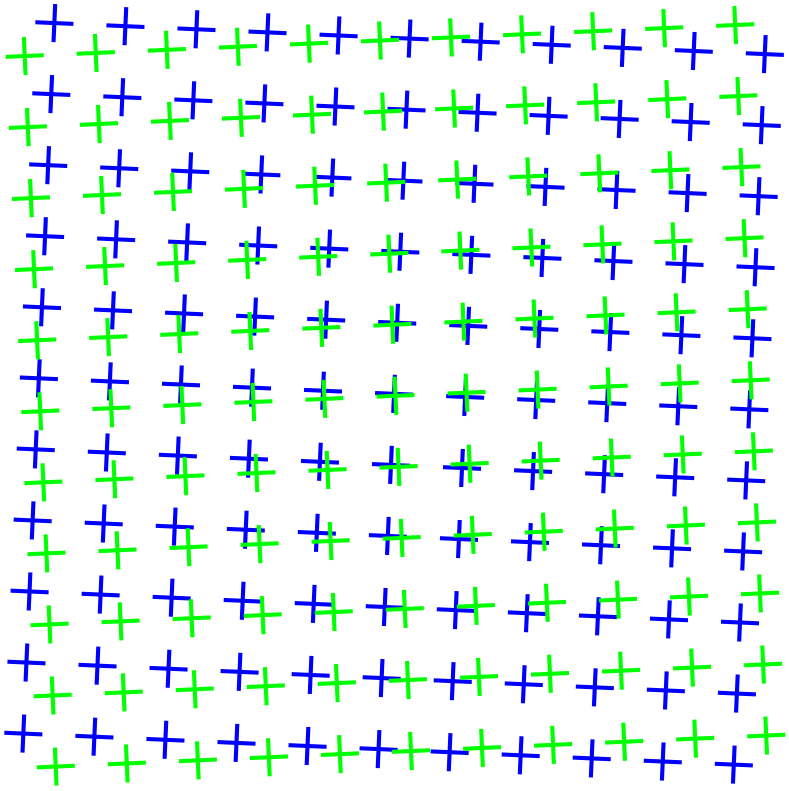tests type=dot