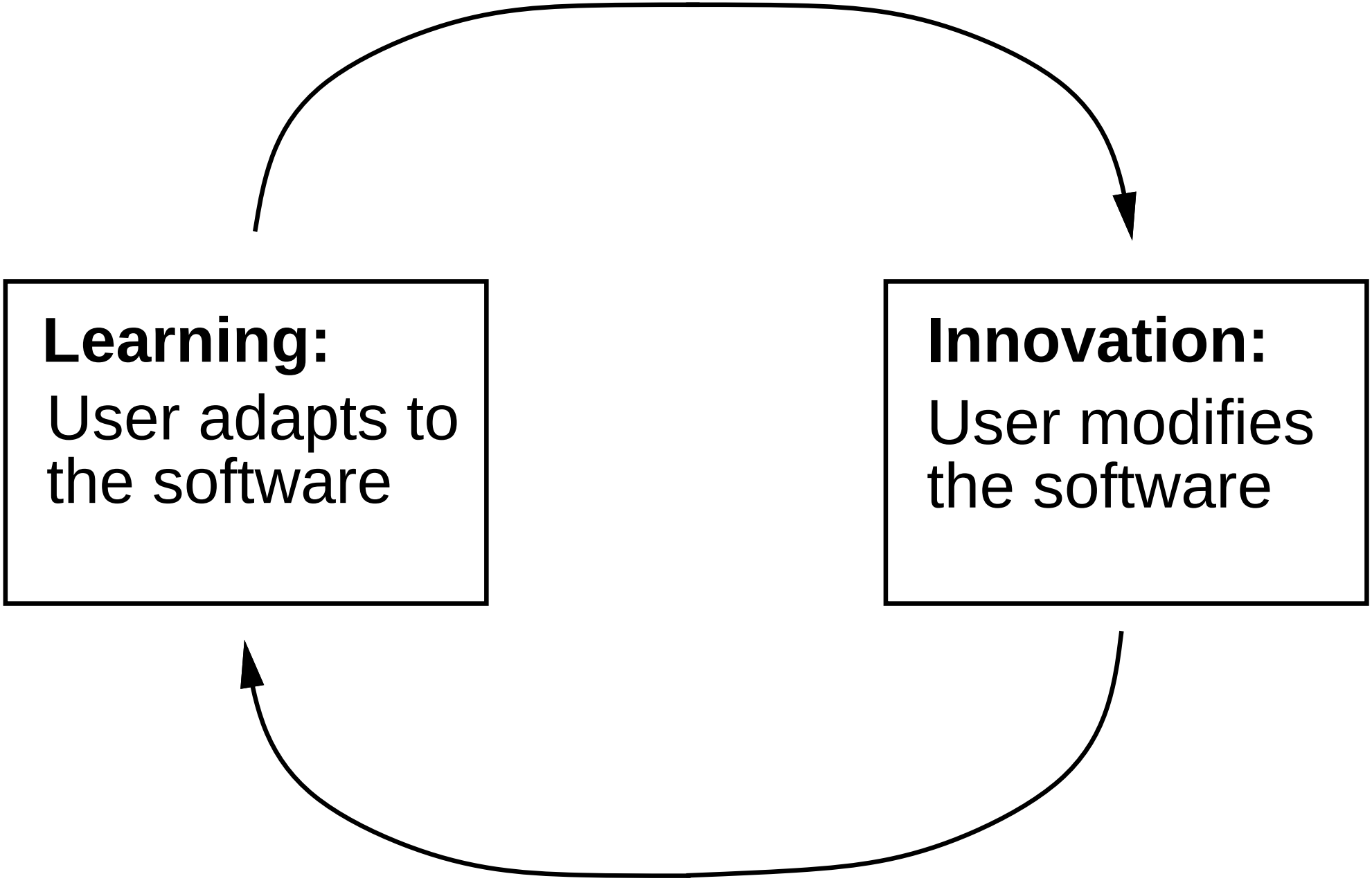Co-Adaptive Systems