2. The scenarios in which a stepper motor rotates in a jerky manner is called Resonance Effect; It occurs when the motor moves a single step and overshoots the final resting point and oscillates round this point as it comes to rest. The noise created by stepper motors can be audibly very noisy when moving at moderate to high speeds. The best way to mitigate these issues is to use micro stepping. Micro stepping allows the motor to move more smoothly and decreases being prone to resonances.