

Simple Arcs

The *I* and *J* are vectors that define the distance and direction from the start point of the arc to the center of the arc. They are measured along an axis. If either *I* or *J* is equal to zero, it does not have to be written in the block.

➡ Project 29-01A

Arc motion from point *A* to point *B*:

```
G03 X0 Y-20.0 I0 J-20.0
```

Arc motion from point *B* to point *A*:

```
G02 X0 Y20.0 I0 J20.0
```

➡ Project 29-01B

Arc motion from point *A* to point *B*:

```
G02 X0 Y-20.0 I0 J-20.0
```

Arc motion from point *B* to point *A*:

```
G03 X0 Y20.0 I0 J20.0
```

➡ Project 29-01C

Arc motion from point *A* to point *B*:

```
G02 X20.0 Y0 I20.0 J0
```

Arc motion from point *B* to point *A*:

```
G03 X-20.0 Y0 I-20.0 J0
```

➡ Project 29-01D

Arc motion from point *A* to point *B*:

```
G03 X20.0 Y0 I20.0 J0
```

Arc motion from point *B* to point *A*:

```
G02 X-20.0 Y0 I-20.0 J0
```