WHAT IS CLAIMED IS:

1. A sheet processing apparatus comprising:

a sheet stacking portion on which a sheet bundle is stacked;

a staple unit which staples the sheet bundle stacked on the sheet stacking portion; and

a sheet bundle moving member which moves the sheet bundle,

wherein, when a stapling process is performed at a plurality of staple positions of the sheet bundle stacked on the sheet stacking portion, a moving speed of the sheet bundle is set faster as a number of sheets in the sheet bundle moved by the sheet bundle moving member is decreased, or as a weight of the sheet bundle moved by the sheet bundle moving member is decreased.

2. The sheet processing apparatus according to claim 1,

wherein the moving speed of the sheet bundle, when the number of sheets in the sheet bundle moved by the sheet bundle moving member is lower than a predetermined value, or when the weight of the sheet bundle moved by the sheet bundle moving member is lower than a predetermined value, is set faster than a moving speed of the sheet bundle at which the number of sheets in the sheet bundle is not lower than the predetermined value or the weight of the sheet bundle is not lower

than the predetermined value.

3. The sheet processing apparatus according to claim 1, further comprising,

a stapler moving device which moves the staple unit;

wherein the movement between the staple positions is performed by relative movement in which the staple unit and the sheet bundle are moved in the opposite directions.

4. A sheet processing apparatus comprising:

a sheet stacking portion on which a sheet bundle is stacked;

a staple unit which staples the sheet bundle stacked on the sheet stacking portion;

a stapler moving device which moves the staple unit; and

a sheet bundle moving member which moves the sheet bundle,

wherein, when a stapling process is performed at a plurality of staple positions of the sheet bundle stacked on the sheet stacking portion, movement between the staple positions includes a first moving mode and a second moving mode, the movement between the staple positions being performed by both movements of the staple unit and the sheet bundle in the first moving

mode, the movement between the staple positions being performed only by the staple unit in the second moving mode,

when the number of sheets in the sheet bundle to be moved is lower than a predetermined value, or when a weight of the sheet bundle to be moved is lower than a predetermined value, the movement between the staple positions is performed in the first moving mode, and

when the number of sheets in the sheet bundle to be moved is not lower than the predetermined value, or when a weight of the sheet bundle to be moved is not lower than the predetermined value, the movement between the staple positions is performed in the second moving mode.

5. The sheet processing apparatus according to claim 4,

wherein, in the first moving mode, the movement between the staple positions is performed by relative movement in which the staple unit and the sheet bundle are moved in the opposite directions.

6. An image forming apparatus comprising:

an image forming portion which forms an image on a sheet; and

a sheet processing apparatus which processes the sheet on which the image is formed,

wherein the sheet processing apparatus includes:

a sheet stacking portion on which a sheet bundle is stacked;

a staple unit which staples the sheet bundle stacked on the sheet stacking portion;

a sheet bundle moving member which moves the sheet bundle,

wherein, when a stapling process is performed at a plurality of staple positions of the sheet bundle stacked on the sheet stacking portion, a moving speed of the sheet bundle is set faster as a number of sheets in the sheet bundle moved by the sheet bundle moving member is decreased, or as a weight of the sheet bundle moved by the sheet bundle moving member is decreased.

7. The image forming apparatus according to claim 6,

wherein the moving speed of the sheet bundle, when the number of sheets in the sheet bundle moved by the sheet bundle moving member is lower than a predetermined value, or when a weight of the sheet bundle moved by the sheet bundle moving member is lower than a predetermined value, is set faster than a moving speed of the sheet bundle at which the number of sheets in the sheet bundle is not lower than the predetermined value or the weight of the sheet bundle is not lower than the predetermined value.

8. The image forming apparatus according to claim 6, wherein further comprising,

a stapler moving device which moves the staple unit;

wherein the movement between the staple positions is performed by relative movement in which the staple unit and the sheet bundle are moved in the opposite directions.

9. An image forming apparatus comprising:

an image forming portion which forms an image on a sheet; and

a sheet processing apparatus which processes the sheet on which the image is formed,

wherein the sheet processing apparatus includes:

a sheet stacking portion on which a sheet bundle is stacked;

a staple unit which staples the sheet bundle stacked on the sheet stacking portion;

a stapler moving device which moves the staple unit; and

a sheet bundle moving member which moves the sheet bundle,

wherein, when a stapling process is performed at a plurality of staple positions of the sheet bundle stacked on the sheet stacking portion, movement between

the staple positions includes a first moving mode and a second moving mode, the movement between the staple positions being performed by relative movement of the staple unit and the sheet bundle in the first moving mode, the movement between the staple positions being performed only by the staple unit in the second moving mode, and

wherein when the number of sheets in the sheet bundle to be moved is lower than a predetermined value, or when a weight of the sheet bundle to be moved is lower than a predetermined value, the movement between the staple positions is performed in the first moving mode, and

when the number of sheets in the sheet bundle to be moved is not lower than the predetermined value, or when a weight of the sheet bundle to be moved is not lower than the predetermined value, the movement between the staple positions is performed in the second moving mode.

10. The image forming apparatus according to claim 9,

wherein, in the first moving mode, the movement between the staple positions is performed by relative movement in which the staple unit and the sheet bundle are moved in the opposite directions.