WHAT IS CLAIMED IS:

1. A blade structure having a blade comprising:

a blade root at one end;

a blade tip located at the other end;

a first vertex and a second vertex located between the blade root and the blade tip, wherein the blade is bent from the blade root to the first vertex, the blade tip, the second vertex, and to the blade root in sequence so as to form a hollow structure; and

a first node and a second node between the blade root and the first vertex,

wherein a maximum slope of the bladeto a first axis occurs at the first node and a maximum horizontal included angle between the blade and a second axis which is perpendicular to the first axisoccurs at the second node;

wherein the first vertex and the second vertex are located at a first side edge of the blade and respectively located at a first side and a second side of the first axis horizontally extended from the blade root, and a distance between the first vertex and the first axis is a maximum distance between the first axis and the first side edge in the first side of the first axis, and a distance between the second vertex and the first axis is a maximum distance between the first axis and the first side edge in the second side of the first axis;

wherein a second side edge of the blade has a fifth node located on a section taken along a third axis in which the second node is located, and a maximum horizontal distance is between a section of the blade where the fifth node is set thereon along the third axis and a section of the blade where a central point is set thereon along the second axis at the third axis, wherein the third axis is perpendicular to the first axis and the second axis, and the

second side edge is located at another side of the first side edge of the blade along the second axis; and

wherein a horizontal included angle between the second node to the fifth node on the blade and the second axis is 18 to 25 degrees.

~~2. The blade structure as recited in claim 1, wherein the first vertex and the second vertex are located at a first side edge of the blade and respectively located at a first side and a second side of the first axis horizontally extended from the blade root, and a distance between the first vertex and the first axis is a maximum distance between the first axis and the first side edge in the first side of the first axis, and a distance between the second vertex and the first axis is a maximum distance between the first axis and the first side edge in the second side of the first axis.~~

~~3~~2. The blade structure as recited in claim 1, wherein the blade further comprises a third node and a fourth node, and the third node is located at a location of the blade root whereahorizontal included angle between the blade root and the first axis is zero, and the fourth node is located at a tangent line of the blade tip that is perpendicular to the first axis.

~~4~~3. The blade structure as recited in claim ~~3~~2, wherein a horizontal distance between a section of the blade where the first node is set thereon along a third axis and a section where the third node is set thereon along the third axis is 0.38 to 0.42 times to a horizontal distance between the section where the third node is set thereon along the third axis and a section of the blade tip where the fourth node is set thereon along the third axis, wherein the third axis is perpendicular to the first axis and the second axis.

~~5~~4. The blade structure as recited in claim ~~3~~2, wherein a horizontal distance between a section of the blade where the second node is set thereon along the third axis and the section where

the third node is set thereon along the third axis is 0.55 to 0.59 times to a horizontal distance between the section where the third node is set thereon along the third axis and a section of the blade tip where the fourth node is set thereon along the third axis, wherein the third axis is perpendicular to the first axis and the second axis.

~~6~~5. The blade structure as recited in claim ~~3~~2, wherein a horizontal distance between a section of the blade where the first vertex is set thereon along the third axis and a section where the third node is set thereon along the third axis is 0.7 to 0.75 times to the horizontal distance between the section where the third node is set thereon along the third axis and the section of the blade tip where the fourth node is set thereon along the third axis, wherein the third axis is perpendicular to the first axis and the second axis.

~~7. The blade structure as recited in claim 2, wherein a second side edge of the blade has a fifth node located on a section takenalong a third axis in which the second node is located, and a maximum horizontal distance is between a section of the blade where the fifth node is set thereon along the third axis and a section of the blade where a central point is set thereon along the second axis at the third axis, wherein the third axis is perpendicular to the first axis and the second axis, and the second side edge is located at another side of the first side edge of the blade along the second axis.~~

~~8. The blade structure as recited in claim 7, wherein a horizontal included angle between the second node to the fifth node on the blade and the second axis is 18 to 25 degrees.~~

~~9~~6. The blade structure as recited in claim 1, wherein the blade root has a first connection member and a second connection member, and the first connection member is connected to the second connection member via a tenon.

~~10~~7. The blade structure as recited in claim ~~9~~6, wherein the first connection member and the

second connection member of the blade root have a first fastening portion and a second fastening portion, and the blade is fastened on a main body lower case contained by a ceiling fan by using a screw passing through the first fastening portion, and the second fastening portion affixes the blade to the main body lower case by using a bolt.

~~11~~8. The blade structure as recited in claim ~~9~~6, wherein at least one gasket is disposed between the first connection member and the second connection member of the blade.

~~12~~9. The blade structure as recited in claim ~~9~~6, wherein sides of the first connection member and the second connection member that are distant from the blade tip are connected to each other.

~~13~~10. A ceiling fan having a main body, a plurality of blades and a main body lower case, and the main body for providing a rotation power, the plurality of blades mounted to the main body through the main body lower case, the ceiling fan characterized in that each blade of the plurality of blades comprising:

a blade root at one end;

a blade tip located at the other end;

a first vertex and a second vertex located between the blade root and the blade tip, wherein the blade is bent from the blade root to the first vertex, the blade tip,the second vertex, and to the blade root in sequence so as to form a hollow structure;and

a first node and a second node located between the blade root and the first vertex,

wherein a maximum slope of the bladeto a first axis occurs at the first nodeanda maximum horizontal included angle between the blade and a second axis which is perpendicular to the

first axis occurs at the second node;

wherein the first vertex and the second vertex are located at a first side edge of the blade and respectively located at a first side and a second side of the first axis horizontally extended from the blade root, and a distance between the first vertex and the first axis is a maximum distance between the first axis and the first side edge in the first side of the first axis, and a distance between the second vertex and the first axis is a maximum distance between the first axis and the first side edge in the second side of the first axis;

wherein a second side edge of the blade has a fifth node located on a section taken along a third axis in which the second node is located thereon, and a maximum horizontal distance is between a section of the blade where the fifth node is set thereon along the third axis and a section of the blade where a central point is set thereon along the second axis at the third axis, wherein the third axis is perpendicular to the first axis and the second axis, and the second side edge is located at another side of the first side edge of the blade along the second axis; and

wherein a horizontal included angle between the second node to the fifth node on the blade and the second axis is 18 to 25 degrees.

~~14. The ceiling fan as recited in claim 13, wherein the first vertex and the second vertex are located at a first side edge of the blade and respectively located at a first side and a second side of the first axis horizontally extended from the blade root, and a distance between the first vertex and the first axis is a maximum distance between the first axis and the first side edge in the first side of the first axis, and a distance between the second vertex and the first axis is a maximum distance between the first axis and the first side edge in the second side of the first axis.~~

~~15~~11. The ceiling fan as recited in claim ~~13~~10, wherein the blade further comprises a third node

and a fourth node, and the third node is at a location of the blade root where the horizontal included angle between the blade root and the first axis is zero, and the fourth node is located at a tangent line of the blade tip that is perpendicular to the first axis.

~~16~~12. The ceiling fan as recited in claim ~~15~~11, wherein a horizontal distance between a section of the blade where the first node is set thereon along a third axis and a section where the third node is set thereon along the third axis is 0.38 to 0.42 times to a horizontal distance between the section where the third node is set thereon along the third axis and a section of the blade tip where the fourth node is set thereon along the third axis, wherein the third axis is perpendicular to the first axis and the second axis.

~~17~~13. The ceiling fan as recited in claim ~~15~~11, wherein a horizontal distance between a section of the blade where the second node is set thereon along the third axis and the section where the third node is set thereon along the third axis is 0.55 to 0.59 times to a horizontal distance between the section where the third node is set thereon along the third axis and a section of the blade tip where the fourth node is set thereon along the third axis, wherein the third axis is perpendicular to the first axis and the second axis.

~~18~~14. The ceiling fan as recited in claim ~~15~~11, wherein a horizontal distance between a section of the blade where the first vertex is set thereon along the third axis and a section where the third node is set thereon along the third axis is 0.7 to 0.75 times to the horizontal distance between the section where the third node is set thereon along the third axis and the section of the blade tip where the fourth node is set thereon along the third axis, wherein the third axis is perpendicular to the first axis and the second axis.

~~19. The ceiling fan as recited in claim 14, wherein a second side edge of the blade has a fifth node located on a section taken along a third axis in which the second node is located~~

~~thereon, and a maximum horizontal distance is between a section of the blade where the fifth node is set thereon along the third axis and a section of the blade where a central point is set thereon along the second axis at the third axis, wherein the third axis is perpendicular to the first axis and the second axis, and the second side edge is located at another side of the first side edge of the blade along the second axis.~~

~~20. The ceiling fan as recited in claim 19, wherein a horizontal included angle between the second node to the fifth node on the blade and the second axis is 18 to 25 degrees.~~

~~21~~15. The ceiling fan as recited in claim ~~13~~10, wherein the blade root has a first connection member and a second connection member, and the first connection member is connected to the second connection member via a tenon.

~~22~~16. The ceiling fan as recited in claim ~~21~~15, wherein the first connection member and the second connection member of the blade root have a first fastening portion and a second fastening portion, and the blade is fastened on a main body lower case contained by a ceiling fan by using a screw passing through the first fastening portion, and the second fastening portion affixes the blade to the main body lower case by using a bolt.

~~23~~17. The ceiling fan as recited in claim ~~21~~15, wherein at least one gasket is disposed between the first connection member and the second connection member of the blade, and sides of the first connection member and the second connection member that are distant from the blade tip are connected to each other.