Patent Claims

1. An adjustable support assembly for an object (15, 16) to be accurately positioned relative to a base (10), in particular for a secondary mirror of an optical mirror telescope;
   - wherein the support assembly has at least one support structure (20) connected to the base (10) and to the object (15, 16);
   - wherein the support structure (20) has at least two struts (22, 23, 24, 25) extending in a non-parallel manner relative to each other;
   - wherein each strut (22, 23, 24, 25) has associated therewith a drivable actuator element (22', 23', 24', 25') in such a manner that the actuator element (22', 23', 24', 25') applies a force onto the strut (22, 23, 24, 25) that deflects the strut (22, 23, 24, 25) transversely to the longitudinal extension thereof,
   - wherein the support structure (20) is supported relative to the base (10) in an articulated manner, wherein the actuator element (22', 23', 24', 25') associated with each strut (22, 23, 24, 25) or a further drivable actuator element of the strut (22, 23, 24, 25) is associated in such a manner that this actuator element (22', 23', 24', 25') applies a force onto the strut (22, 23, 24, 25), under the influence of a drive, that exerts a torsional moment onto the strut (22, 23, 24, 25).

2. The adjustable support assembly as claimed in claim 1, characterized in that the actuator element (22', 23', 24', 25') can be driven by an actuating drive (22", 23", 24", 25"), in particular a driven element of the actuating drive (22", 23", 24", 25").

3. The adjustable support assembly as claimed in claim 1 or 2, characterized in that the support structure (20) has at least four struts (22, 23, 24, 25) extending in a non-parallel manner relative to each other.

4. The adjustable support assembly as claimed in claim 1, 2 or 3, characterized in that the support assembly has at least two, preferably at least three, further

preferred at least four support structures (20a, 20b, 20c, 20d) connected to the base (10) and to the object (15, 16).

5. The adjustable support assembly as claimed in any one of the preceding claims, characterized in that
   - the struts (22, 23, 24, 25) each have a first end section that is close to the base and a second end section that is close to the object, and
   - in that the associated actuator element (22', 23', 24', 25') is arranged in such a way that it applies the force on the strut (22, 23, 24, 25), which is exerted on the strut (22, 23, 24, 25) under the effect of a drive, in one of the end sections.

6. The adjustable support assembly as claimed in any one of the preceding claims, characterized in that the struts (22, 23, 24, 25) each have a strip-like shape.

7. The adjustable support assembly as claimed in any one of claims 2 to 6, characterized in that the actuating drives (22", 23", 24", 25") of all the actuator elements (22', 23', 24', 25') are connected to a common open or closed-loop control unit for transferring actuating signals.

8. The adjustable support assembly as claimed in any one of the preceding claims, characterized in that**,**
   - the support assembly is provided with a plurality of support structures (20a, 20b, 20c, 20d) that form a suspension of a secondary mirror (16) that corresponds to a main mirror (12),
   - wherein the base (10) connected to the support structures (20a, 20b, 20c, 20d) is formed by a mirror telescope housing,
   - wherein the object is formed by bracket means (15) of the secondary mirror (16), and
   - wherein the secondary mirror (16) can be coaxially adjusted by means of the actuator elements (22', 23', 24', 25') relative to the main mirror (12) in relation to a mirror telescope axis (X).

9. The adjustable support assembly as claimed in claim 8, characterized in that the struts (22, 23, 24, 25) of the support structures (20a, 20b, 20c, 20d) formed in a strip-like manner are arranged in such a way that their planar sides extend in a plane orientated substantially parallel to the mirror telescope axis (X).