ABSTRACT

Title: Robust Support Structure for an Optical Reflecting Telescope

The invention relates to a support structure (20) for an optical reflecting telescope (30) including a beam inlet (24); a primary support (21) for a primary mirror (1); a secondary support (22) for a secondary mirror (2); struts (23) which extend between the primary support (21) and the secondary support (22); and a beam outlet (25), wherein the support structure (20) has a contour of a single shell hyperboloid (7), wherein the primary support (21), the secondary support (22) and the struts (23) are configured so that they support the primary mirror (1) and the secondary mirror (2) so that a z-shaped beam path (11) is provided between the beam inlet (24), the primary mirror (21), the secondary mirror (22) and the beam outlet (25), and wherein the struts (23) have identical length.

Fig. 4a

ABSTRACT

Title: Robust Support Structure for an Optical Reflecting Telescope

The invention relates to a support structure (20) for an optical reflecting telescope (30) including a beam inlet (24); a primary support (21) for a primary mirror (1); a secondary support (22) for a secondary mirror (2); struts (23) which extend between the primary support (21) and the secondary support (22); and a beam outlet (25), wherein the support structure (20) has a contour of a single shell hyperboloid (7), wherein the primary support (21), the secondary support (22) and the struts (23) are configured so that they support the primary mirror (1) and the secondary mirror (2) so that a z-shaped beam path (11) is provided between the beam inlet (24), the primary mirror (21), the secondary mirror (22) and the beam outlet (25), and wherein the struts (23) have identical length.

Fig. 4a