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Figure 3: (a) A large pneumatic dome reinforced by sliding cables; (b) finite element mesh and equilibrium geometry under internal pressure.


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Selected Publications:
Slade Gellin and Ruy M.O. Pauletti, “Form finding of tensioned fabric cone structures using the natural force density method”, Proceedings of the International Association for Shell and Spatial Structures (IASS) Symposium 2010, November 8-12, 2010, Shanghai, China


Slade Gellin and Ruy M.L. Pauletti, “Necking limits of conoid membrane structures between elliptical rings with variable stress ratio”, Conference paper (unidentified conference in the pdf file), July 2018