

The invention relates to polyhedral shells with geometric form varying in free way. Model elementary flexor as polyhedral panel with four-sprocket pyramid assembled of thin elastic facets with hinged joints that has two planes of symmetry that intersect the tabs. Each triangle of projection of side facets of medium polyhedron of panel to plane of the edge has as adjoining the edge inner and outer doubled angles that are equal to  $\pi/2-\alpha$  and  $\pi/2+\alpha$ , respectively, where  $\alpha$  – third angle of respective triangle. It is chosen from interval of values  $(0, \pi/2)$ , with exclusion of  $\pi/4$ ,  $\pi/3$  and  $\pi/6$ . At not large cross loading under condition of hinged slide of edge in plane the panel is softly of with tightening losing stability and goes to neighboring infinitely close to the initial one equilibrium position. Deformation of panel is accompanied with large cross bends, at that faces move practically as solid plates and forces applied are unloaded mostly in hinged joints of the facets. The invention promotes increase of flexor set.