

Using the ADAM software package, the shape model of the asteroid (130) Elektra was reconstructed. The model is based on 60 lightcurves from the DAMIT database, 46 AO images obtained by the NIRC2 and SPHERE instruments and two occultations. The best-fit model assigns Elektra the volume of $(4.3 \pm 0.1) \times 10^6 \text{ km}^3$.

After that, using the Xitau program, the orbital model of the two moons S/2014 1 and S/2003 was constructed. It is based on astrometry of the moons reduced from the 2014 and 2019 SPHERE images of Elektra. The model is a dipole non-Keplerian one, which resulted in an adjustment to the periods of the two moons to $P_1 = (1.2185 \pm 0.0004) \text{ d}$ & $P_2 = (5.3015 \pm 0.0001) \text{ d}$. The main result is the more precise mass of Elektra at $(6.59 \pm 0.08) \times 10^{18} \text{ kg}$, which revises the bulk density to $\bar{\rho} = (1.533 \pm 0.066) \text{ g cm}^{-3}$.