Contribution ID: **132** Type: **not specified**

H–function Calculation for Selected Spectral Bands of Oxygen

Wednesday, 9 September 2020 17:20 (30 minutes)

The H–function is the most important part for determining the absorption coefficient. This article deals with the calculation of the H–function of selected bands of molecular oxygen. Program calculations are performed on the basis of freely available data from world databases (NIST) and book sources (e.g. Glushko, Rosen) providing the possibility of comparison.
For the structural calculations of oxygen bands, the Orca program, created at the Max–Planck Institute by Frank Nees, et al., was selected. The outputs of this program are used by our program NKrov2, which provides the final mathematical and graphical outputs.

Presenter: POKORNÝ J.

Session Classification: Poster session