

**ON THE STARK BROADENING OF NEUTRAL NEON SPECTRAL
LINES FOR STELLAR PLASMA RESEARCH**

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Stark broadening parameters for 25 spectral lines of neutral neon broadened by collisions with electrons, protons and ionized helium, needed for investigation and modelling of stellar plasma, have been calculated by using the semiclassical perturbation method. The obtained data have been used for consideration of the Stark broadening of Ne I spectral lines in atmospheres of white dwarfs and will be included in the STARK-B database (<http://stark-b.obspm.fr/>), which is a part of the Virtual Atomic and Molecular Data Center (VAMDC - <http://www.vamdc.eu/>).