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QUANTUM GRAVITATIONAL EFFECTS IN FORMATION OF DETACHED DOUBLE-LINED ECLIPSING SYSTEMS (DDLES)

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It is found that the distribution of the DDLEs along the coordinate axis M_1/M_2 has six peaks, the positions of which are defined by the step of 0.0155. M is the mass of the DDLES component. For any DDLES indexes 1 and 2 indicate its first and second components, respectively, and $M_1/M_2 \geq 1$. These peaks are created by the populated areas of the coordinated formation of the first and second DDLES components. The symmetric separation of one of these populated areas into three such areas is found at $M_1/M_2 = 1.0169 \pm 0.0005$. The effects are found due to the fact that the formation of the first and second DDLES components is coordinated. In this regard, there is some quantum physical system which creates this coordinated formation. Moreover, such system exists already before the formation of component bodies from baryonic matter. A general gravitational mass of any DDLES is proposed as the quantum physical system. This gravitational mass is also the measuring instrument of M_1 and M_2 . Hence, the formation of the first and second DDLES components begins with the formation of the general gravitational mass of their own DDLES. Then the general gravitational mass begins to capture the gravitational masses of any atoms. Moreover, it captures not any, but an agreed amount of them, while coordinating the formation of the bodies of the first and second DDLES components from baryonic matter.

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