**Bertrand Partner Trajectories Related to PAFORS**

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|  **Abstract**Bertrand defined the concept of a pair of curves, called as Bertrand partner curves, in 1850. Bertrand partner curves were studied widely in the literature. In this study, we consider the concept of Bertrand partner trajectories related to Positional Adapted Frame on Regular Surfaces (shortly PAFORS) for the particles moving on the different regular surfaces in Euclidean 3-space. The relations between the PAFORS elements of the aforesaid trajectories are given. Also, the relations between Darboux basis vectors of them are found. Furthermore, some characterizations are given for some special cases of these trajectories with the aid of their PAFORS elements. |
| Keywords: Kinematics of a particle, Bertrand curves, PAFORS, Regular surfaces |

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