Reviewer 6:

1. The term “non-cooperative” was removed from the title. The text was reformulated to emphasize the partially non-cooperative nature of the Target (not attitude controlled and no dedicated visual features such as markers or LEDs). The new wording is as follows:

“The task of grasping a target satellite with a space robot was already performed in \cite{932685} and \cite{Shoemaker2003}, however only for the case of a cooperative Target. When the Target cannot be attitude controlled and does not present dedicated visual or structural features to aid its grasping, then it is generally termed non-cooperative. We consider here the case in which the Target presents a circular rail where it can be grasped, and assume that sufficient information is provided to allow generating a simplified geometric model of it for visual tracking purposes.”

1. The four papers were cited and compared in Section I.A.