

IAA Study Group Status Report

Responsible Commission: 3

Study Number and Title:

3.29 Strategy and Feasibility Assessment of Collision Protection from Asteroids and Comets: Concept, Technology, and Prospect

Short Study Description (repeat from Study Group Proposal):

The study group 3.29 will make effort to push the technologies of collision protection from concept to new solution. The corresponding state-of-the-art technologies such as orbit optimization, GNC, propulsion, and operation are developed. With the consideration of progress in recent years, a demonstration mission for collision will be proposed.

Progress in past six months:

1. New progress was discussed among team members, several members provided their new documents.
2. Presentation about the study group 3.29 is reported on Deep Space Exploration Conference, Zhuhai, China, Nov.13th, 2018.
3. The report outline of study 3.29 was put forward, and e-mail will be sent to each team members, and the divisions of the work will be discussed.
4. Several special subjects about the technologies of collision protection were studied by groups of team members, new achievements will be included in the final report.

Website Study Information update: (please give any update regarding Study Group Membership, documents, Study Plan and Schedule):

No.

Issues requiring resolution? (recommend approach):

No.

Product Deliveries on Schedule? (If modified explain rationale):

Yes.

Study Team Member Changes? (List any Study Team Members that you wish to discontinue, and provide names plus contact coordinates of any Members you wish to add on the second page of this Study Update form.) Note: Complete contact information including email, tel. and fax must be provided for all additions. Only Members with complete contact information will be listed and receive formal appointment letters from the IAA Secretariat.)

Yes.

Name of person providing Study Group Status (Study Group Chair or Co-Chair):

Prof. Bao Weimin (study group chair)

Status Report Date:

Feb. 25th, 2019.

Study Team Membership Changes

Effectivity Date:

Discontinue:

Name
Current email address

Add:

Name: Zhang Xiaomin
Current email address: zhangxiaomin@bit.edu.cn
Tel. 00861068913550
Fax 00861068913550
Mailing address: School of Aerospace Engineering,
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