

2023 APMCM Control Sheet

Each team member must sign the statement below:

(Failure to obtain signatures from each team member will result in disqualification of the entire team.)

Each of us hereby testifies that our team abided by all of the contest's rules and did not consult with anyone who was not on this team in developing the enclosed solution paper. Our submission and all rights to its publication become the property of APMCM. APMCM may use, edit, excerpt, and publish this submission for promotional use or any other purpose, including placing it online, distributing it electronically or otherwise, without compensation of any kind. APMCM reserves the right to use in materials relating to this contest, the names of the team members, their advisor(s), and their affiliations, without further notification, permission, or compensation. Team members assert that All images, figures, photographs, tables, and drawings in their submission were either created by the team or else, if reproduced from another source, the submission cites a specific reference for each at its location in the submission. All direct quotations in the submission are enclosed in quotation marks or otherwise identified as such, with a specific reference cited for each at its location in the submission.

Problem chosen is (A, B or C): C

Team control number is (team number): apmcm2309958

School (Please fill in the full name): Northeastern University at Qinhuangdao

Member name (Handwriting signature): 1. Zhuohang Li

2. Zikai He

3. Tianxiang Liu

Team adviser name: JianBo Liu

(Please check the above content carefully, **fill in English**, and will not be allowed to make any changes after submission. Such as fill in error, the thesis may be canceled qualification awards.)

Date: 2023-11-26