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Petaflow project

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SUMMARY

The social revolution by INTERNET enables communications among scientists to be real-time. The real-time communication, such as emails, video conferences and so on, encouraged for scientists to collaborate with others distributed geographically. Our research group, for example, consists of Japanese and French members who are working at several cities in Japan and France. The objective of our group is to develop the fundamentals to execute a computational aeroacoustics simulation of human fricatives. That simulation requires large scale storages to store the time course results at first, and then high speed data transfer between Japan and France to share those results. Our multidisciplinary research group aims at "quasi-real-time data sharing" by developing QoS, Bulk data transfer, Distributed storages and Multi Instructive Distributed Parallel Visualization.