



**PGI<sup>®</sup>**

## **2x Guarantee Program**

**Accelerate your application *fast* with  
Directives on GPUs**

**Program FAQ**



### 1. WHAT DOES THIS PROGRAM OFFER?

This Guarantee Program (the “Program”) provides application developers in the high performance computing and scientific community a path to achieve 2x application speed-up in 4 weeks or less on GPUs using PGI Accelerator compiler directives.

With the appropriate application, as described in the “Are Directives Right for You?” document, PGI compiler can provide a quick path to acceleration.

If your application does not achieve 2x in 4 weeks or less and you’ve complied with the eligibility requirements as described in this document, NVIDIA and/or PGI will provide four hours of consultation with an expert in PGI Accelerator directives or CUDA (your choice) to help accelerate your code at no charge.

### 2. WHAT DO YOU MEAN BY 2X IN 4 WEEKS- 2X COMPARED TO WHAT?

We guarantee 2x application speed-up compared to application performance achieved on a single socket, multi-core CPU before your participation in this Program. 2x is measured at the end of four weeks when a NVIDIA GPU (listed in question 3 below) is used with at least a single socket, multi-core CPU.

### 3. WHAT ARE ELIGIBILITY REQUIREMENTS FOR PARTICIPATING IN THE PROGRAM?

- Participants must use one of the following NVIDIA GPUs:

GeForce GTX 590	Quadro 6000	Tesla C2075, M2075
GeForce GTX 580	Quadro 5000	Tesla C2070, M2070
GeForce GTX 570	Tesla M2090	Tesla C2050, M2050

- Code structure in your application must be consistent with those structures recommended in the “Are Directives Right for You?” document, under the section titled “Code Structures That Work with Directives”.
- Final code structure in your application must show adherence to techniques shown in the “Introduction to Directives” webinar and “Top Tricks for Maximizing Performance” document.
- Participants must have put forth honest effort for four weeks. NVIDIA and PGI will require access to “before” and “after” source code versions in the event you request the free consultation. The general rule is 120 hours of development time (6 hours/day \* 5 days/week \* 4 weeks) dedicated to applying PGI Accelerator directives to your application.

Participants must adhere to all of the requirements described above to be eligible for the free consultation. If your application does not achieve 2x in 4 weeks, participants can request that a PGI Accelerator directives expert will inspect their code to judge eligibility for consultation. If your code is qualified, then you will receive four hours of consultation at no charge.\*



**4. HOW WILL THE CONSULTATION WORK IF I DON'T GET 2X IN 4 WEEKS?**

If your application is qualified as eligible for consultation, you will receive two consultation sessions of two hours each. A PGI Accelerator directives expert will contact you with instructions on how to prepare for the sessions.

**5. WHAT IF I DON'T HAVE THE RIGHT GPUS (LISTED ABOVE) OR HAVE COMPLETED 120 HOURS OF WORK ON MY APPLICATION, CAN I STILL PARTICIPATE IN THE PROGRAM?**

Yes. You may still get the 30 day free trial of the PGI Accelerator Compiler. However, you will not qualify for the Program benefit of free consultation.

**6. ARE THERE A LIMITED NUMBER OF PARTICIPANTS ALLOWED IN THE PROGRAM?**

Yes, the Program will be limited based on demand and available resources, at NVIDIA and PGI's sole discretion. The Program may be discontinued by NVIDIA and/or PGI at any time without notice.

The four week period for the Program starts when you install the PGI Accelerator compiler.

**7. HOW DO I SIGN UP FOR THE PROGRAM?**

To participate in the Program, you can email Roy Kim at [2xin4weeks@nvidia.com](mailto:2xin4weeks@nvidia.com).

**8. WHERE CAN I GO FOR TECHNICAL SUPPORT?**

For immediate support, you can post questions at PGI Support Forum site at <http://www.pgroup.com/userforum/index.php>.

**9. WHAT IF MY APPLICATION DIDN'T GET 2X IN 4 WEEKS- WHAT NEXT?**

Please email [2xin4weeks@nvidia.com](mailto:2xin4weeks@nvidia.com).

\*This Program is applicable only to registrants to the Program and is dependent upon your compliance with the terms and conditions described in this document. NVIDIA and/or PGI will determine in their sole discretion whether your application meets the terms and conditions of the Program.