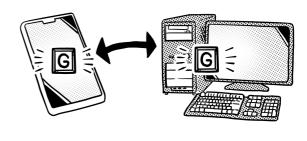


Comic: Ikaridon Yu

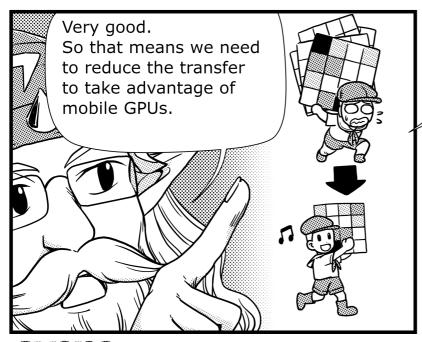
I have learned the difference between PC and mobile GPUs. So what should I do to take advantage of the mobile GPU architecture?



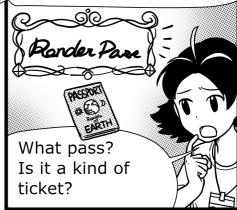
Do you remember that the data transfer of mobile GPUs are limited because of battery life?

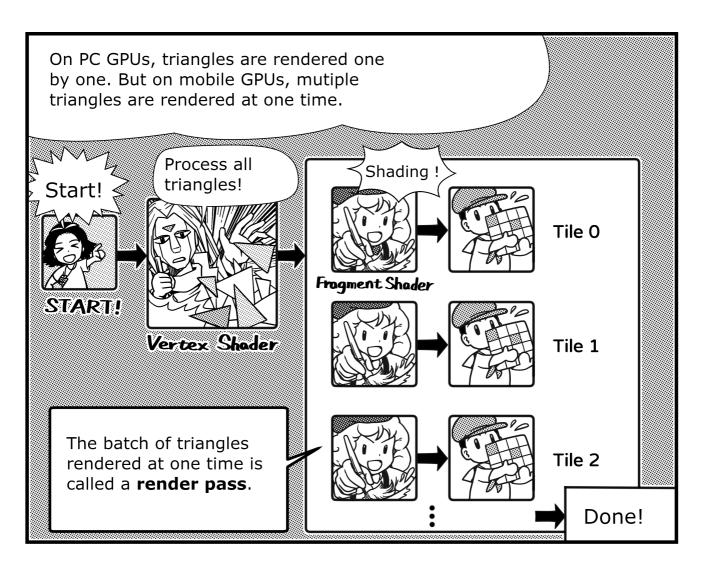


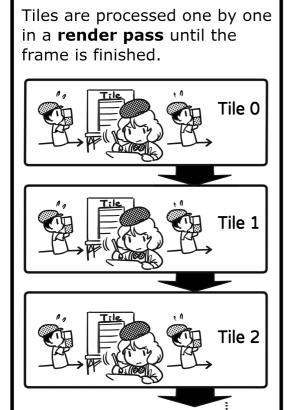
I do, and that's why the mobile GPU has the special design of Tile memory...

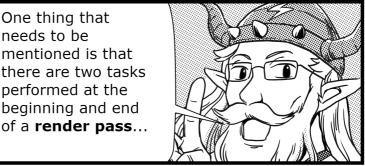


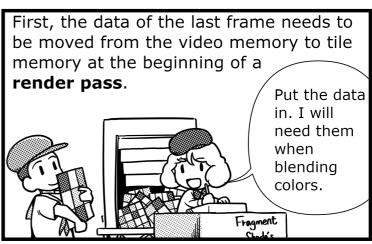
And there is a special design called **render pass** on mobile GPUs that may not be present in PC GPUs.

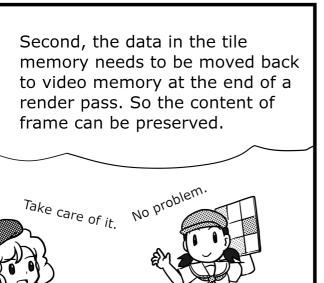








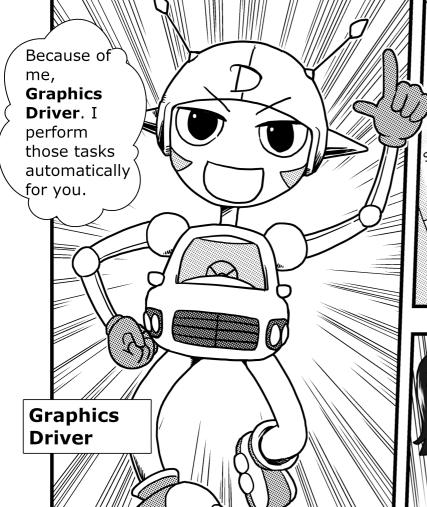




Fragment Shadés

## WHAT!? I didn't do those things on a mobile GPU! Why was the game still running correctly?



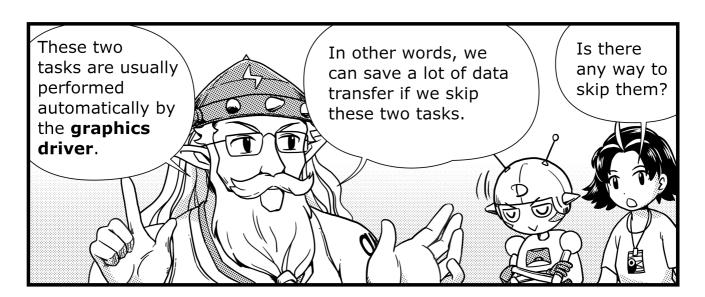


developer.arm.com/graphics

I also collect all triangles that need to be rendered to form a **render pass** for you.







Sure! For example, if we are going to render a frame which will cover the whole screen without blending the last frame, then we don't need the data from the last frame.



On the other hand, if we don't need the data from the frame we just rendered, then we don't need to move the data back to the video memory.

Drop! Drop! the pall!!

