

Arm Accuracy Super Resolution



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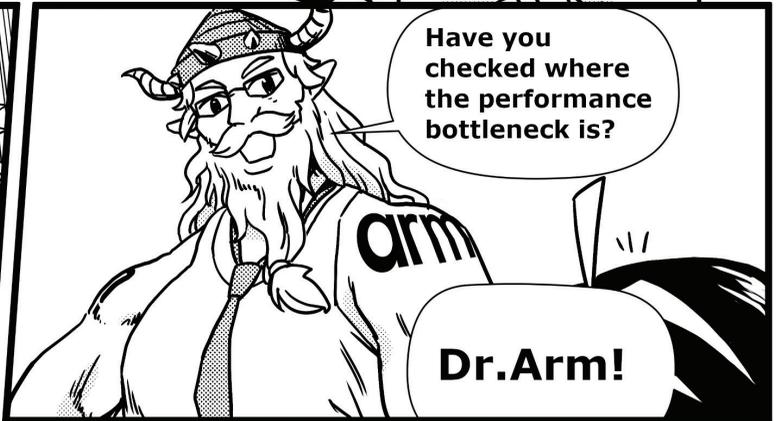
Oh no! The game's frame rate is dropping too low.



It's impossible to enjoy the game properly. What should I do?

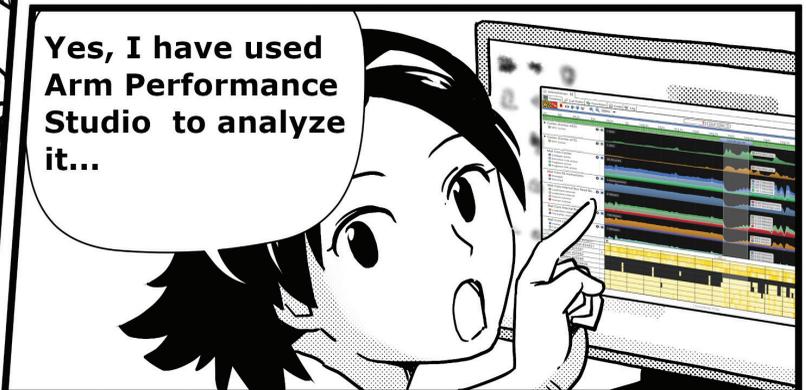


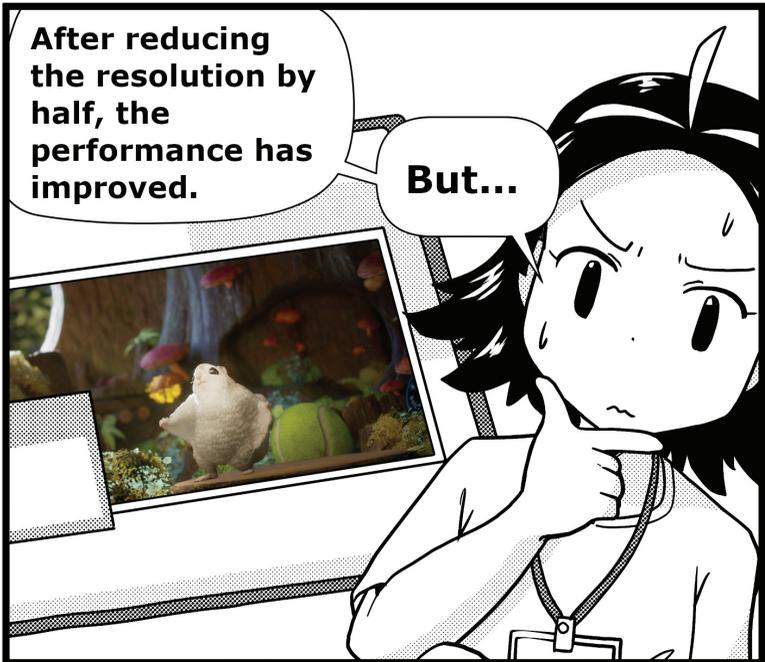
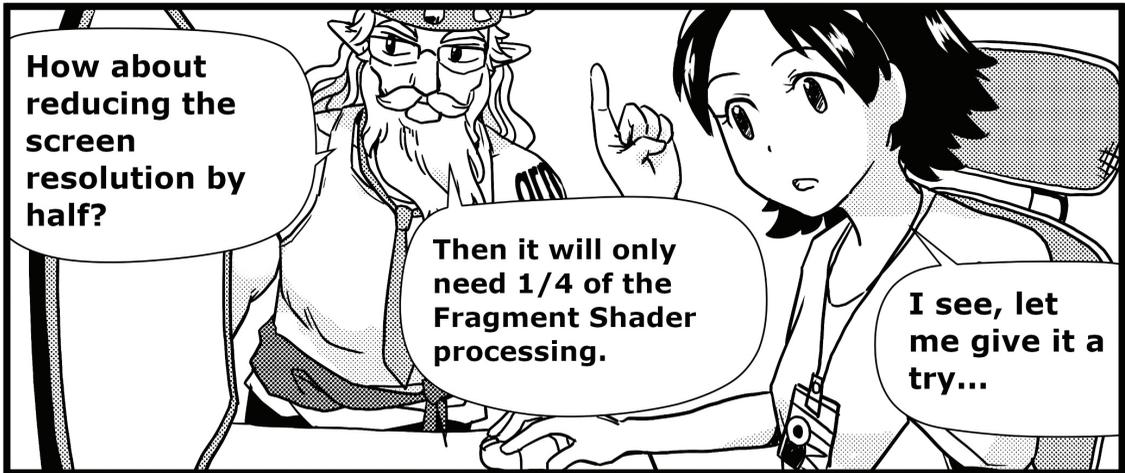
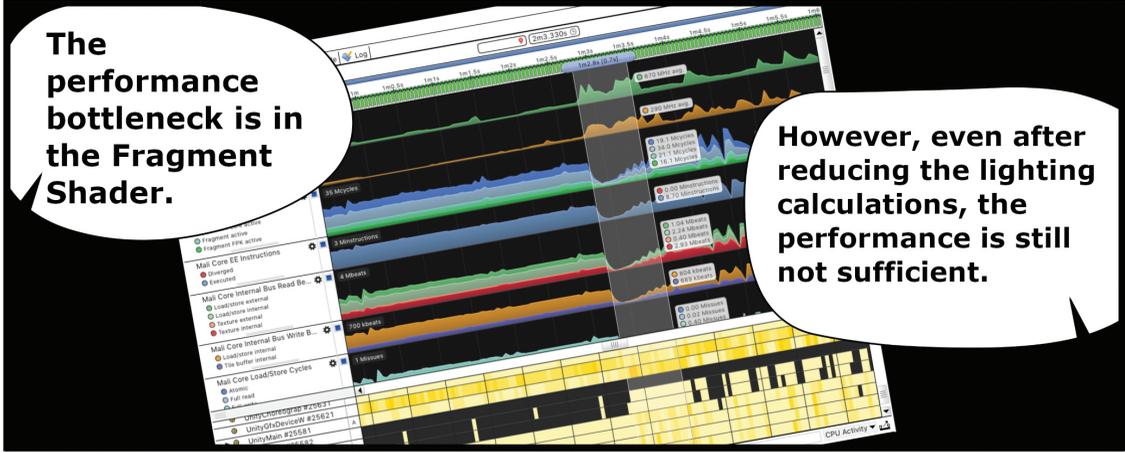
Have you checked where the performance bottleneck is?

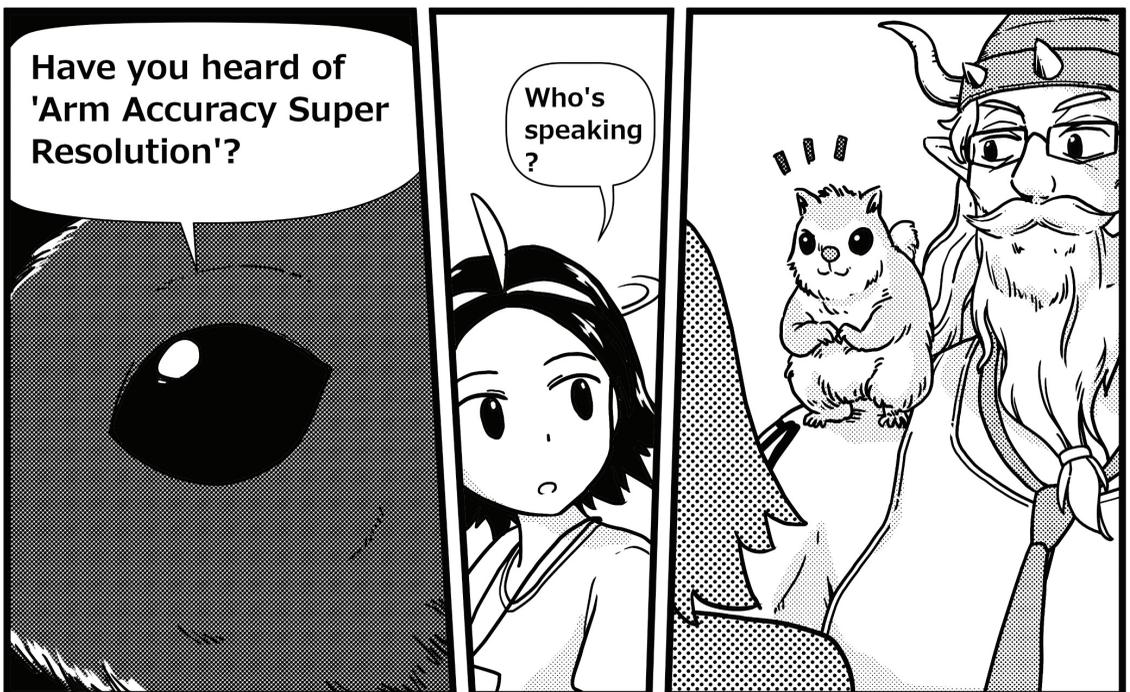


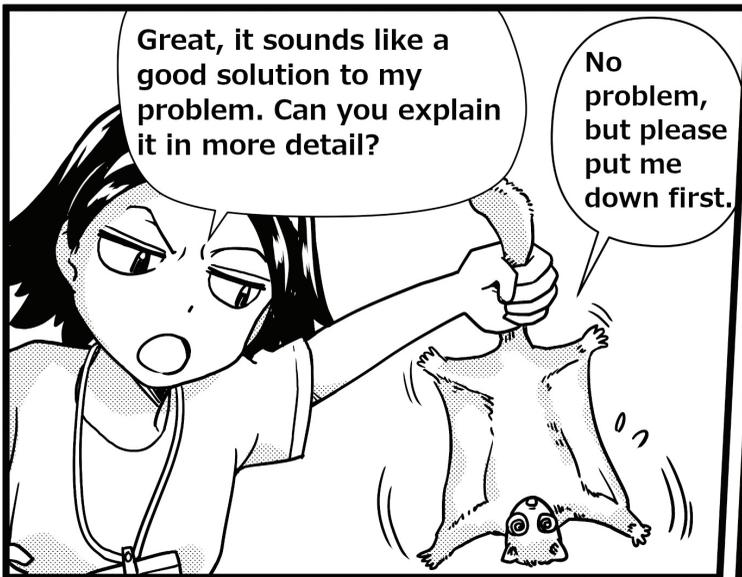
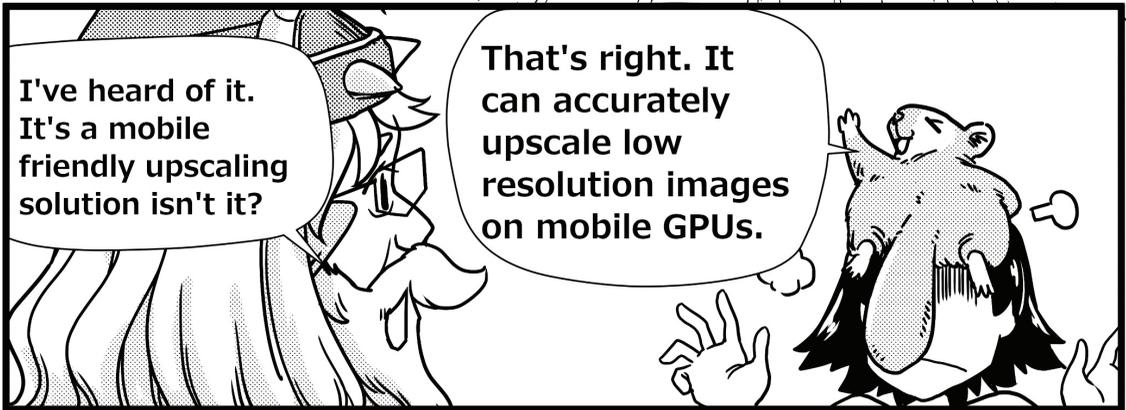
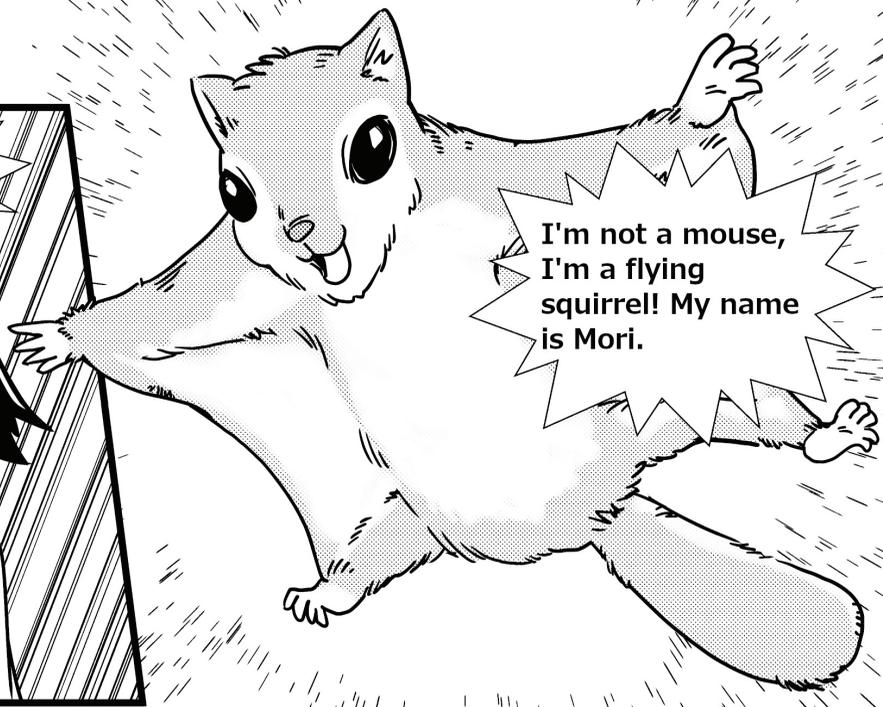
Dr.Arm!

Yes, I have used Arm Performance Studio to analyze it...









Arm Accuracy Super Resolution, AKA Arm ASR, is the best open-source super-resolution solution for mobile devices.



arm
Accuracy
Super Resolution

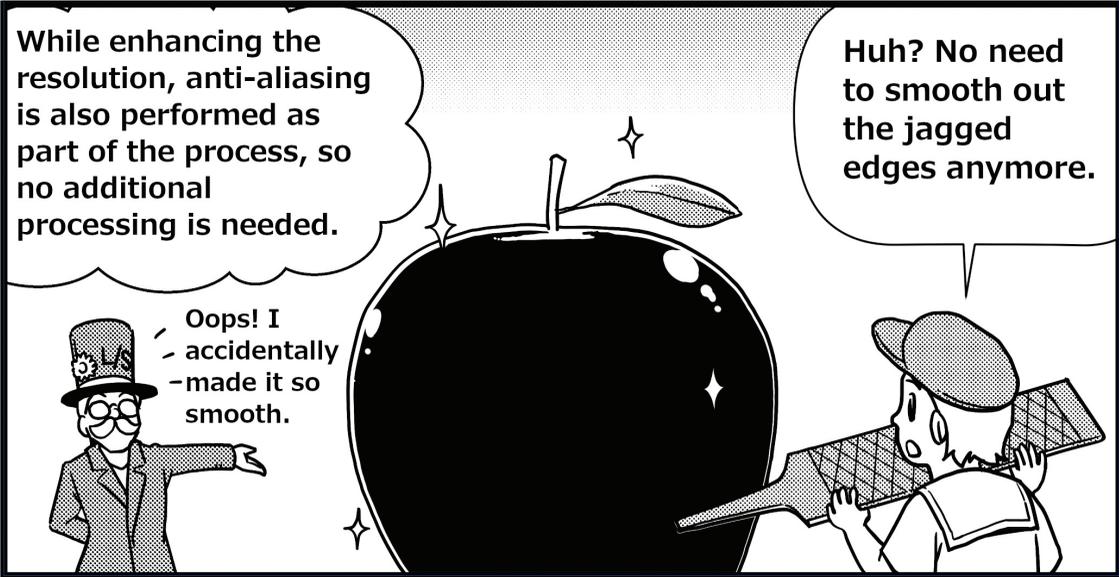
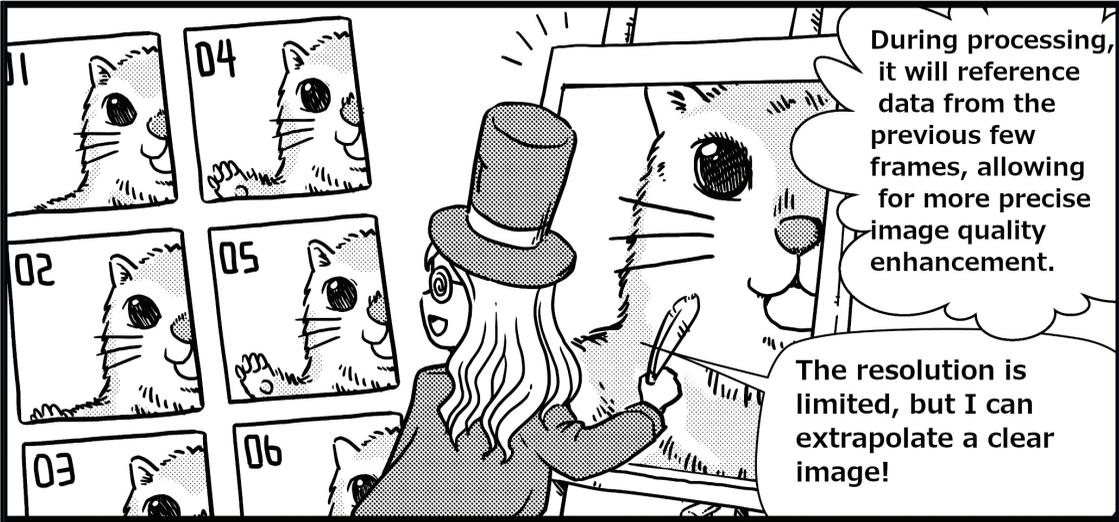
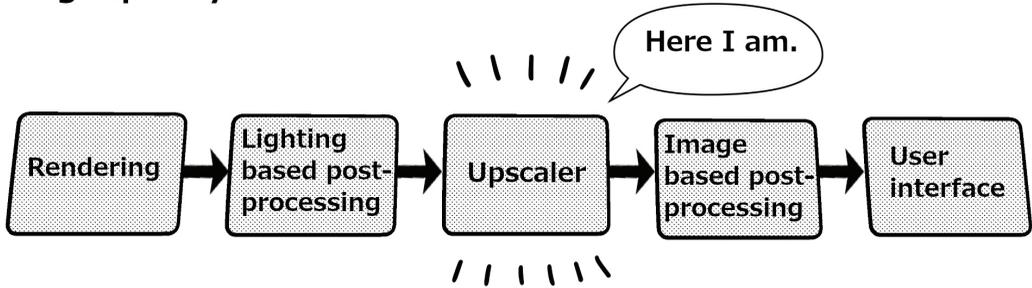


Image-based post-processing can be completed after the resolution is enhanced, resulting in better post-processing image quality.



Arm ASR is optimized for mobile devices, reducing computational load and memory bandwidth requirements.



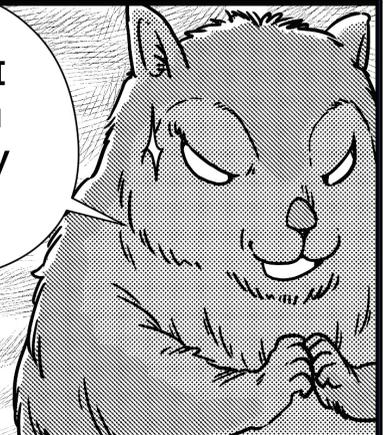
Moreover, Arm ASR can generate near-original resolution image quality while consuming less power.



It perfectly meets my needs, but I don't have enough time to integrate it since the game's release date is approaching.



Hehehe, I knew you would say that...



Arm ASR is designed specifically for game development from the start.

Aside from providing the source code, Arm ASR also offers plugins for Unity and Unreal. No matter which engine you use for development, it can be quickly integrated.



That's awesome! This way, I'll be able to meet the game's release date!

Let's try it out right now!

One quick integration later...



Success! That was quick!



Wow, the game performance has improved, and the image quality hasn't deteriorated.

Category	ASR (Quality)	ASR	Others	CPU
ASR (Quality)	~10%	~10%	~10%	~10%
ASR	~10%	~10%	~10%	~10%
Others	~10%	~10%	~10%	~10%
CPU	~10%	~10%	~10%	~10%

Looking at this power consumption analysis, the power consumption has also improved.

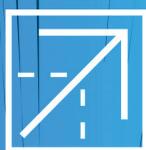
Arm ASR is truly amazing!

If you want to know more details about Arm ASR, you can check it out on Arm's official website!

<https://arm.com/asr>

HA HA HA HA

Oh dear, there was no chance to make an appearance this time...



arm
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Super Resolution

In the high-stakes world of gaming, every frame counts. When dropping frame rates threaten to ruin the ultimate gameplay experience, Dr. Arm and his talking assistant Mori, the flying squirrel, steps in to save the game. Faced with performance bottlenecks and blurry images, they turn to their revolutionary secret weapon: Arm Accuracy Super Resolution. This cutting-edge technology reduces computational load and memory bandwidth requirements while preserving nearly original image quality—all with seamless game engine plug-ins.

