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r/intel • 2 yr. ago
QuantumColossus



Are E-cores used in gaming?

Discussion

I was just wondering whether E-cores are utilized in gaming.



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86



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DannyzPlay • 2y ago •

If you're interested I made a video recently testing this with my 13700K.

<https://youtu.be/LcQUUMi3rWI>

TL:Dr keep the e-cores on.



113



Cradenz • 2y ago •

this needs to be higher. theres a lot of people in this sub that regurgitate the "turn off ecores" misinformation.



63



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[Log In](#)**Visa_Declined** • 2y ago •

Yes, E-Cores are used in gaming, I'm on Windows 11

<https://i.imgur.com/aLe06Sq.jpg>

<https://i.imgur.com/k9xRulY.jpg>

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↑ 26 ↓ ...

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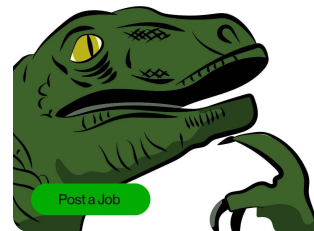
Usually not if thread director is working as intended. But they will handle a lot of background OS tasks which will free up more P cores to run the game.

↑ 49 ↓ ...

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[Yes](#)**upwork****optimal_909** • 2y ago •

I think in Spiderman I see them loaded. With roughly 80% of p-core thread performance*, e-cores are not that bad at all. *Don't quote me on that though, someone on this subreddit made a benchmarking.

↑ 8 ↓ ...

**LocalHomeOwner** • 2y ago •

Anything and everything will use e cores. It's up to the OS to efficiently manage which core is assigned to which process.

↑ 7 ↓ ...



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[Log In](#) 5  ...**LightMoisture** • 2y ago •

Yes and no. Some games will load them up fairly decently, some only lightly. Either way they handle the OS and background tasks while the P cores handle the game. Turning them off is just stupid and leads to absolutely no gain in performance, only loss.

 4  ...**ConsistencyWelder** • 2y ago •

No. Tasks in games need to be synced. You can't offload certain tasks to a slower core, it would slow the whole game down since it would have to wait for it to finish.

In fact this has been a common issue with e-cores, that some games use the ecores by mistake. I know the Star Citizen community has had to deal with this for a while, that the game would stutter because it tries using the ecores instead of the pcores. The fix is to disable the ecores entirely in the BIOS.

 4  ... 1 more reply**hjadams123** • 2y ago •

I would assume that Thread Director is supposed to do all it can to make sure that does not happen.

 6  ... 1 more reply[r/youtube](#) • 22 days ago

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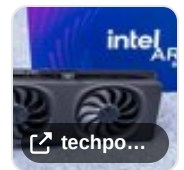
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How have e cores treated you guys?

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distribute the load across the 24 threads?

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r/intel • 1 yr. ago

How do you disable e Cores on this bios? Currently running a i7 12700k.

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I really want to believe Intel's claim that the drivers for its new Arc B580 1440p graphics card suffer from 'no known issues of any kind'

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2 upvotes · 25 comments



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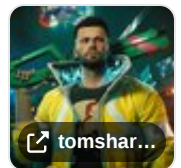
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