

Sehr schlechte OpenCL Performance

Beitrag von „DevFelixJava“ vom 8. August 2024, 12:37

Guten Tag!

Ich betreibe aktuell meinen Hackintosh mit der aktuellsten Version von Sonoma.

Specs:

- Ryzen 9 5950X
- Radeon RX 6950 XT
- 64GB RAM

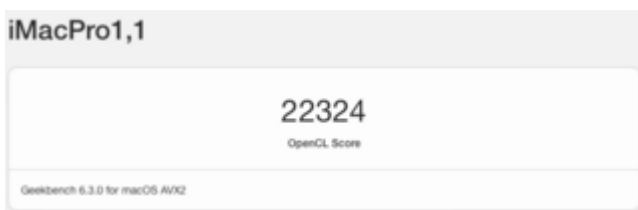
Meine aktuellen Kernel Extensions:

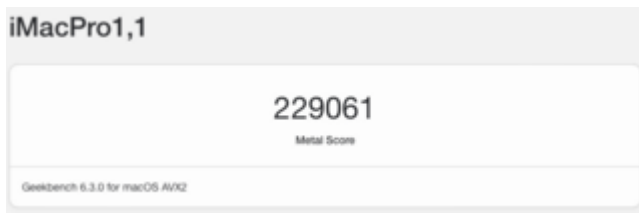
Name	Änderungsdatum	Größe	Art
AMD Ryzen CPU PowerManagement.kext	24.07.2024, 16:24	124 KB	Kernel-...terung
AppleALC.kext	24.07.2024, 16:18	4,2 MB	Kernel-...terung
AppleIGB-DEBUG.kext	30.07.2024, 13:02	357 KB	Kernel-...terung
AppleMCEReporterDisabler.kext	29.07.2024, 14:39	2 KB	Kernel-...terung
IntelLucy.kext	Heute, 11:44	205 KB	Kernel-...terung
Libx.kext	24.07.2024, 15:31	1,4 MB	Kernel-...terung
NootRX.kext	24.07.2024, 15:35	6,4 MB	Kernel-...terung
VirtualSMC.kext	24.07.2024, 15:31	389 KB	Kernel-...terung

Nachdem mein Hack jetzt vernünftig ohne Probleme hochfährt, möchte ich mich um die Grafikprobleme kümmern.

Die Geekbench Scores sind für OpenCL sehr niedrig. Unter Metal läuft alles ohne Probleme.

Das Bestätigt sich auch durch die relativ geringe Bildrate in Minecraft.





Gibt es eine bekannte Lösung dafür?

Ich hab wohl einen Reddit Post gefunden, aber keiner hat eine wirkliche Lösung für das Problem gehabt.

Mit freundlichen Grüßen

Felix

Beitrag von „anonymous33333333“ vom 8. August 2024, 16:06

Das einzige, was ich vorschlagen kann, ist, das SMBIOS auf MacPro7,1 zu ändern.

Beitrag von „KungfuMarek“ vom 8. August 2024, 16:57

Also eigentlich solltest du so 130000-150000 Punkte haben mit der 6950 XT.

Ändere mal die Reihenfolge der Kexte und pack mal whatevergreen rein, braucht man da zwar nicht, aber würde ich mal testen.

Hast du das Bootarg adpmod= pikera drin?

Beitrag von „DevFelixJava“ vom 9. August 2024, 11:04

[Zitat von KungfuMarek](#)

Also eigentlich solltest du so 130000-150000 Punkte haben mit der 6950 XT.

Ändere mal die Reihenfolge der Kexte und pack mal whatevergreen rein, braucht man da zwar nicht, aber würde ich mal testen.

Hast du das Bootarg adpmod= pikera drin?

Aktuell benutz ich ja NootRX, deshalb kein adpmod=pikera in den Boot-Args.
Ich wechsele mal zu WhateverGreen und schaue ob's besser wird.

EDIT:

Jetzt mit WhateverGreen und den Boot-Args ist die Hardwarebeschleunigung komplett weg und die Grafikkarte wird auch nicht mehr angezeigt.

Beitrag von „KungfuMarek“ vom 9. August 2024, 11:30

Ich habe das komplett ausgeblendet, dass du eine 6950 XT hast.

Dafür müsste man einen Spoof einbinden, da die 6950 XT nicht nativ unterstützt wird, sondern nur die 6900 XT.

[Habe meine GPU auf eine RX 6950 XT aufgerüstet : r/hackintosh \(reddit.com\)](#)

Für meine 6900 XT nutze ich nur Whatevergreen mit dem Bootarg.

Ich meine [SchmockLord](#) hat eine 6950 XT.

Beitrag von „fabiosun“ vom 9. August 2024, 11:39

also you can use this in your Device Properties section in your config plist

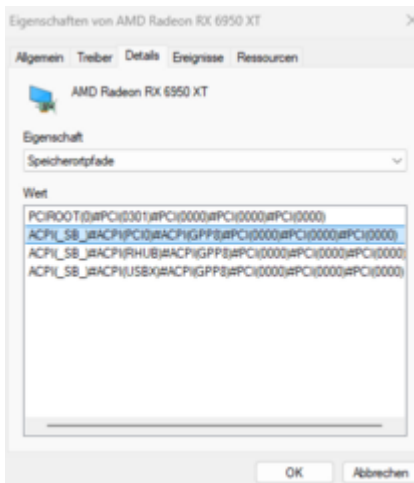


Path	Key	Data Type	Value
Path: /System/Library/ACPI/Tables/AppleACPIPlatformExpert.aml	ATI/DeviceName	String	AMD RX 6950 XT
Path: /System/Library/ACPI/Tables/AppleACPIPlatformExpert.aml	ATI/FamilyName	String	Radeon RX
Path: /System/Library/ACPI/Tables/AppleACPIPlatformExpert.aml	applemodel	String	gRena
Path: /System/Library/ACPI/Tables/AppleACPIPlatformExpert.aml	device-id	Data	00170000
Path: /System/Library/ACPI/Tables/AppleACPIPlatformExpert.aml	model	String	AMD Radeon RX6950XT

obviously using also Whatevergreen kext and a correct ACPI path for your GPU

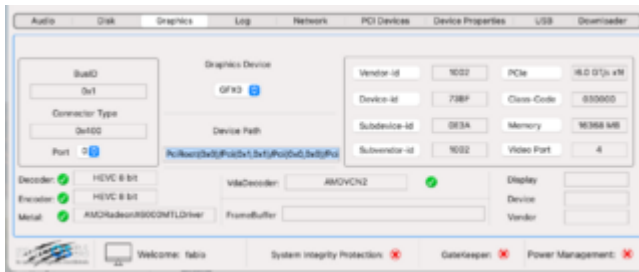
Beitrag von „DevFelixJava“ vom 9. August 2024, 12:16

Laut [Dortania](#) find ich den Pfad hier:



Allerdings ist im Guide dort nur ein ACPI Eintrag. Soll ich einfach den ersten nehmen?

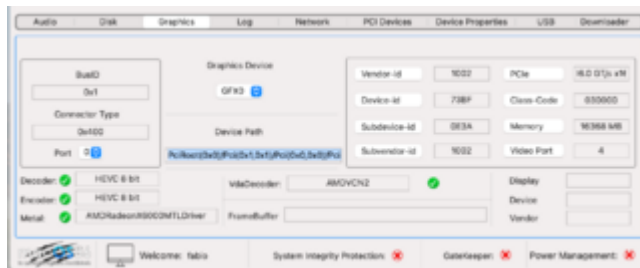
Beitrag von „fabiosun“ vom 9. August 2024, 12:24



i use Hackcheck app or similar to find my path

Beitrag von „DevFelixJava“ vom 9. August 2024, 12:30

[Zitat von fabiosun](#)



i use Hackcheck app or similar to find my path

Do you have a copy of this program? Can't download it from macos86.it due to not sufficient permissions.

Btw is my efi getting corrupted when loading into this program?

Beitrag von „fabiosun“ vom 9. August 2024, 12:42

It doesn't corrupt anything in your system

To download it directly you should have a hello post or two posts in the Italian forum

Beitrag von „DevFelixJava“ vom 9. August 2024, 13:41



Used Hackintool now instead.

[Zitat von fabiosun](#)

also you can use this in your Device Properties section in your config plist



Key	Data Type	Value
ATI/DeviceName	String	AMD XT
ATI/DeviceName	String	Radeon RX
agpmem	String	gibers
device-id	Data	DF730000
model	String	AMD Radeon R9890XT

obviously using also Whatevergreen kext and a correct ACPI path for your GPU

Do I need to enter the DeviceID from the marked entry in Hackintool and enter enough zeros to fit the same format?

Beitrag von „fabiosun“ vom 9. August 2024, 13:47

You have to copy my screenshot and only to change left path with yours

If you like post your config and copy paste here paste here your acpi path

below how to with a plist editor:



DeviceProperties	Dictionary	0 key-value pairs
- Add	Dictionary	0 key-value pairs
ATI/DeviceName	String	AMD XT
ATI/DeviceName	String	Radeon RX
agpmem	String	gibers
device-id	Data	4 bytes: DF730000
model	String	AMD Radeon R9890XT

Beitrag von „DevFelixJava“ vom 9. August 2024, 13:53



Trying it! Thanks

Beitrag von „fabiosun“ vom 9. August 2024, 13:55

yes it seems fine

if you use pikera as bootarg you can skip this in DP

i use it in DP

remember to use whatevergreen kext

Beitrag von „DevFelixJava“ vom 9. August 2024, 14:00

Didnt work but I mentioned the pikera in the boot arg and deviceproperty. gonna remove it and try again

Beitrag von „fabiosun“ vom 9. August 2024, 14:02

[Zitat von DevFelixJava](#)

Didnt work but I mentioned the pikera in the boot arg and deviceproperty. gonna remove it and try again

Explain what happens?

If it doesnt work maybe your PCI address is wrong

Beitrag von „DevFelixJava“ vom 9. August 2024, 14:05

Well just everything like before. lagging macOS and just one monitor.

The PCI address should be right. used this marked one:



Maybe there is another way to figure out a correct pci address?

Beitrag von „fabiosun“ vom 9. August 2024, 14:17

i use hack check, but if you like you can also try to use a SSDT like this

You have to check in IOREG your path and change them accordly

EDIT

With DP it should work so i think some errors i cant see by now (sorry)

Beitrag von „DevFelixJava“ vom 9. August 2024, 14:23



```
SSDT-RX6950XT.asl
root
  \_SB_.PCI0
    OPN00000000000000000000
    OPN10 _S01
    Darwin1 IJ98E

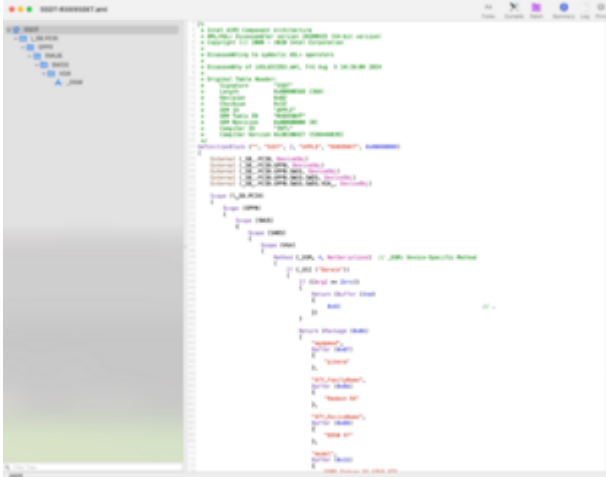
  opfan0d

  s18k79
    ATY_FanCtrlName

  Radeon_R0
    ATY_DeviceName
    6554_XT
    model1
    AMD_Radeon_RX_6554_XT
    device-id
    #1
```

I don't see a place to enter the IOREG Path

Beitrag von „fabiosun“ vom 9. August 2024, 14:27



you have to open and edit with maciasl app

and find yours here:



Beitrag von „DevFelixJava“ vom 9. August 2024, 14:37

Can't open .amls with this program. Just nothing happens.
.dsls work though

Beitrag von „fabiosun“ vom 9. August 2024, 14:48

[Zitat von DevFelixJava](#)

Can't open .amls with this program. Just nothing happens.
.dsls work though

<https://github.com/acidanthera/MaciASL>

i use this

EDIT2

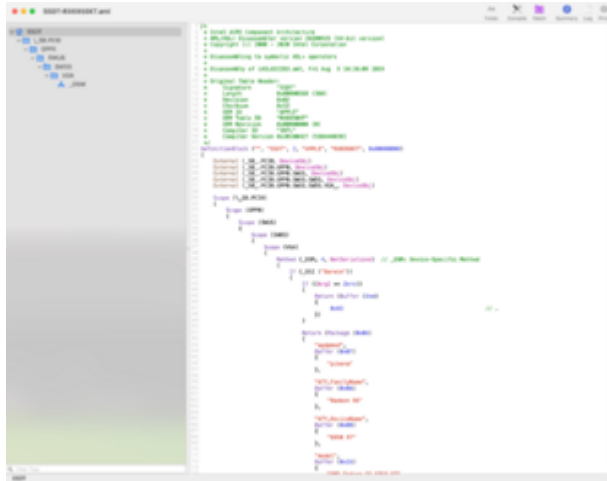
[DevFelixJava](#) i see you are on AMD as me

Which AMD Kernel patches do you use for FIX pat? algrej or Shanees's ones?

Second one is faster in benchmarking gpu

Beitrag von „DevFelixJava“ vom 9. August 2024, 14:48

[Zitat von fabiosun](#)



you have to open and edit with maciasl app

and find yours here:



EDIT2

[DevFelixJava](#) i see you are on AMD as me

Which AMD Kernel patches do you use for FIX pat? algrey or Shanees's ones?

Second one is faster in benchmarking gpu

Alles anzeigen

The ones mentioned in Dortania. https://github.com/AMD-OSX/AMD_Vanilla

Sorry to bother u that much, but I don't see a place to enter my IOREG



Beitrag von „fabiosun“ vom 9. August 2024, 14:51

I do not follow dortania guide for this (i use and like their product like OCLP but not their guide for AMD)

Default patch used is algrey one

it is much slower than Shanees one

i would suggest to try it and if you do not have additional problem i would use Shanees patch

I would also check better Device properties and use it together whatevergreen kext (disable

NootRX kext)

you have to use ioregistry explore app and search for GfX0, you will find your path and you have to change in my SSDT here

```
External (_SB_.PCI0, DeviceObj)
External (_SB_.PCI0.GPP0, DeviceObj)
External (_SB_.PCI0.GPP0.SWUS, DeviceObj)
External (_SB_.PCI0.GPP0.SWUS.SWDS, DeviceObj)
External (_SB_.PCI0.GPP0.SWUS.SWDS.VGA_, DeviceObj)

Scope (\_SB_.PCI0)
{
    Scope (GPP0)
    {
        Scope (SWUS)
        {
            Scope (SWDS)
            {
                Scope (VGA_)
            }
        }
    }
}
```

Beitrag von „DevFelixJava“ vom 9. August 2024, 14:54

[Zitat von fabiosun](#)

I do not follow dortania guide for this (i use and like their product like OCLP but not their guide for AMD)

Default patch used is algrey one

it is much slower than Shanees one

i would suggest to try it and if you do not have additional problem i would use Shanees patch

I would also check better Device properties and use it together whatevergreen kext (disable NootRX kext)

Alles anzeigen

Well I already removed NootRX completely im just on whatevergreen. device properties are fine if Hackintool isn't wrong with the path. my only option now is to get the .aml running or accept my fate in not be able to play games

Beitrag von „fabiosun“ vom 9. August 2024, 15:00

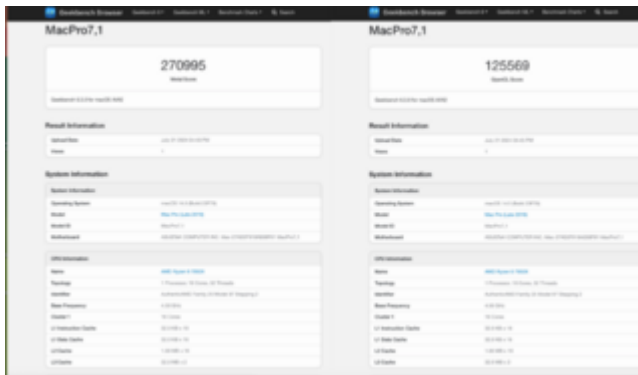
[Zitat von DevFelixJava](#)

Well I already removed NootRX completely im just on whatevergreen. device properties are fine if Hackintool isn't wrong with the path. my only option now is to get the .aml running or accept my fate in not be able to play games

Post your config plist without smbios data and serial (if you like)

Dp works well for all our 6950xt so we have to do also for your

attached hackcheck (if you like to try and put acpi path from there



Beitrag von „DevFelixJava“ vom 9. August 2024, 15:01

Thanks a lot!

Gonna try out HackCheck though

Looks like the copy of HackCheck is damaged.

Beitrag von „fabiosun“ vom 9. August 2024, 15:18

mmmh it is the one i use i cant say if it needs some permission

however i see you are using Algrey fix pat patch

to improve performance in OpenCL/GL you can disable it and use the Shanees one

for now if you cant do good resuòt with DP or with SSDT you can try also with NootRX kext and see the differences

in Opencil your system should have a result greater than 100000 as you see in my picture above

i have tried to modify your config.plist

use also the kext attached (backup yours first)

in this config i use DP properties with your path

removed pikera from bootarg

used Shanee fix patch

Beitrag von „SchmockLord“ vom 11. August 2024, 09:43

Hi,

I have an MSI GAMING TRIO Z with a 6900 XTXH. I currently only use device-properties with device-id BF730000. Runs great. Metal Scores around 265k.

Beitrag von „DevFelixJava“ vom 12. August 2024, 11:50

[Zitat von fabiosun](#)

mmmh it is the one i use i cant say if it needs some permission

however i see you are using Algrey fix pat patch

to improve performance in OpenCL/GL you can disable it and use the Shanees one

for now if you cant do good resuòt with DP or with SSDT you can try also with NootRX kext and see the differences

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i have tried to modify your config.plist

use also the kext attached (backup yours first)

in this config i use DP properties with your path

removed pikera from bootarg

used Shanees fix patch

Alles anzeigen

Unfortunately, the EFI doesn't work. Still no Hardware-Acceleration. But I've not modified your EFI. Just added my SMBIOS.

[Zitat von SchmockLord](#)

Hi,

I have an MSI GAMING TRIO Z with a 6900 XTXH. I currently only use device-properties with device-id BF730000. Runs great. Metal Scores around 265k.

Damn. Something's terrible wrong with my config. You are using WhateverGreen right?

Beitrag von „fabiosun“ vom 12. August 2024, 12:12

[Zitat von DevFelixJava](#)

Still no Hardware-Acceleration.

the only problem could be your <GPU acpi address

others parameters are the same for all people who use to spoof their GPU

EDIT

i see you have acceleration using NootRX kext but only low performance

try to recreate that condition and only to disable to that config algrey fix pat and enable Shaneee fix pat

you would see a great improvment in performance

Beitrag von „DevFelixJava“ vom 12. August 2024, 14:22

I think I give up at this point. Using the new Shaneee fix didn't help either.

Guess im dual booting windows to play some Minecraft

Beitrag von „fabiosun“ vom 12. August 2024, 14:55

[Zitat von DevFelixJava](#)

I think I give up at this point. Using the new Shaneee fix didn't help either.

Guess im dual booting windows to play some Minecraft

if you like to do latest try, post your actual EFI and execute this app (or one you have like this)

<https://github.com/vulgo/IOReg...xplorer/releases/tag/v2.1>

post the results (save as a file (it is your system OSX registry)

i would try (if you want) to do a SSDT for you

Beitrag von „DevFelixJava“ vom 12. August 2024, 15:29

That's very kind from you. This EFI is running perfectly fine but with bad OpenCL performance.

Beitrag von „fabiosun“ vom 12. August 2024, 15:43

first try

do a GeekBench GPU test and save the results (metal/Opengl/CL)

then use this config.plist (overwriting your after backuppung it) an do the same and please post the result

I am preparing your ssdt to not use NootRX kext and see if we had acceleration as all we have



Beitrag von „DevFelixJava“ vom 12. August 2024, 16:04

iMacPro1,1

16804
OpenCL Score

Geekbench 6.3.0 for macOS AVX2

Result Information

Upload Date: August 12 2024 01:53 PM
Views: 1

System Information

System Information	
Operating System	macOS 14.6 (Build 23G80)
Model	iMac Pro (Late 2017)
Model ID	iMacPro1,1
Motherboard	Acidanthera Mac-7BA5B2D9E42DD094 iMacPro1,1

iMacPro1,1

125084
OpenCL Score

Geekbench 6.3.0 for macOS AVX2

Result Information

Upload Date: August 12 2024 02:01 PM
Views: 1

System Information

System Information	
Operating System	macOS 14.6 (Build 23G80)
Model	iMac Pro (Late 2017)
Model ID	iMacPro1,1
Motherboard	Acidanthera Mac-7BA5B2D9E42DD094 iMacPro1,1

I DONT KNOW WHAT YOU DID, BUT IT WORKED!

Beitrag von „fabiosun“ vom 12. August 2024, 16:28

i did what i am saying from my initial post here 😊



disabled a patch used the other 😊

I would like to say you should understand why ACPI method does not work

if you can send an IOREG log without using NootRX (i know no acceleration there)
i see some bridges i do not underst (i am not an ACPI expert so it is my fault) 😊

Beitrag von „DevFelixJava“ vom 12. August 2024, 16:33

[Zitat von fabiosun](#)

i did what i am saying from my initial post here 😊



disabled a patch used the other 😊

I woluld like to say you should understand why ACPI method does not work
if you can send an IOREG log without using NootRX (i know no acceleration there)
i see some bridges i do not underst (i am not an ACPI expert so it is my fault) 😊

Alles anzeigen

Damn then I messed up my configs and booted with the wrong one... Dammit.

Gonna disable NootRX really quick and run IORegistryExplorer

EDIT: File is attached

Beitrag von „fabiosun“ vom 12. August 2024, 16:50

[DevFelixJava](#) it seems not disabled here

if you can use MacPro7.1 SMBIOS and redo an ioreg log both with NootRX and without it
(without it only a monitor on shold be present and obviusly no GPU acceleration)

Beitrag von „DevFelixJava“ vom 12. August 2024, 16:52

[Zitat von fabiosun](#)

[DevFelixJava](#) it seems not disabled here

if you can use MacPro7.1 SMBIOS and redo an ioreg log both with NootRX and without it (without it only a monitor should be present and obviously no GPU acceleration)

I remembered that MacPro7,1 caused some issues and that only my current smbios worked properly. The IOREG is definitely with NRX disabled. (As you said, just one monitor and no hardware acceleration)

Beitrag von „fabiosun“ vom 12. August 2024, 17:06

[Zitat von DevFelixJava](#)

I remembered that MacPro7,1 caused some issues and that only my current smbios worked properly. The IOREG is definitely with NRX disabled. (As you said, just one monitor and no hardware acceleration)

i do not know if NOOTRX needs to use ImacPro 1.1 Smbios

For your CPU is more appropriate to use MacPro 7.1 Smbios

i would try to use in this way if possible

Happy you solved initial problem but i think is it possible to improve your system configuration

Beitrag von „SchmockLord“ vom 12. August 2024, 22:11

[Zitat von fabiosun](#)

the only problem could be your <GPU acpi address

others parameters are the same for all people who use to spoof their GPU

EDIT

i see you have acceleration using NootRX kext but only low performance

try to recreate that condition and only to disable to that config algrey fix pat and enable Shaneee fix pat

you would see a great improvement in performance

Alles anzeigen

I was never able to run my 6900 XTXH with NootRX. I always came back to using Whatevergreen + device-id BF730000. But you have to have the correct PCI Path. That's crucial.

Beitrag von „fabiosun“ vom 12. August 2024, 22:41

[SchmockLord](#) your XTXH has a device id not supported by osx AMD gpu driver

So you have to spoof it to a supported one by this driver

6950 xt is not supported in any osx

So we have to spoof to a supported device id from a supported 6900 xt (different but similar to a 6950 xt)

Luckily it works

I can use also NootRX but i prefer to spoof and use whatevergreen kext

[DevFelixJava](#) user has a pci acpi path in his ioreg i cant understand for my limited acpi knowledge and also his pciroot address seems doesnt work. It is weird so for now he had success using NootRX and overall Shaneee kernel fix patch to boost opencl/gl performance