

## HDBENCH Ver3.xx

HDBENCH, ðf\_fEf“f□□[fh,μ,Ä,ç,½,¾,«, ,è,ª,Æ,α,²,´,ç,Ü,·;i  
,±,lfjftfg,lfñ□[fhfffBfXfN□•,b,o,t□•%œ-Ê•`  
%œ□•f□f,fS□[,l´¬“x,ðª,éxf“f`f}□[fNfjftfg,Å,·□B

Ver3.xx,Í,·,×,Ä□Å□%o,©,ç□ì,è´¼,μ,Ü,μ,½□B

Ver3.xx,Å,Í¬¬□s,ìDual CPU,É´î%ž,μ,Ü,μ,½□B

,±,è,É,æ,èfvf“fOf<CPU—p,ìHDBENCH

Ver2.6x,Å,Í,Ü,Æ,ñ,ÇfpftfH□[f}f“fXfAfbfv,ª•ª,©,ç,È,©,Á,½DualCPUfvfXfef€  
,lª`è,ª%Å“\,É,È,è,Ü,μ,½□B

HDD^ÈŠO,ì□€-Ü,ìDual´î%ž,É,È,Á,Ä,ç,Ü,·□B

ª`èf<□[f`f“ ,l□¬,³,□ì,Á,Ä, ,è,Ü,·,ì,Å□CL2fLfffbfVf...,l%e<¿,ª□,È,,È,Á,Ä,ç,Ü,·□B

□Å□V“Å,Í

HDBENCH NET

<http://www.hdbench.net/>

,Åf\_fEf“f□□[fh,Å,«,Ü,·□B

□šCf“fXfg□[f<

□šŽg—p•û-@

□š,»,l´¼

# fCf“fXfg□[f<

“K”-, ÈftfHf<f\_ Éhdben???.lzh, ð%øð“€ , μ, Ä%øø, ³, ç□B???  
, Ífo□[fWf#f“” Ö□t, ¢“ü, è, Ü, ·□B  
fAf“fCf“fXfg□[f<, í, » , ìftfHf<f\_ , ðí□œ, μ, Ä%øø, ³, ç□B

# Žg—p•û-@

HDBENCH,đŽÀ□s,·,é'Ō,É,·,×,Ä,lfAfvfŠ,đ□l—<sup>1</sup>,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ϕj,»,,μ,È,ϕ  
 ,ÆCE<%ŌÉ,ª'â,«,·'ı"® ,μ,Ü,·□B  
 HDBENCH.EXE,đfXf^□[fgf{f^f",©,çŽÀ□s,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ϕj  
 'ª'è,ª□l,í,é,Ü,Åf}fEfX□AfL□[f{□[fh,í^ê□□G,ç,È,ϕ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ϕ□B

## ALL

DISK□CCPU□AMEMORY□AVIDEO□A,lfxf"f` ,đŽ©"® ,Ä□s,ϕ,Ü,·□B

## CPU

CPUf{f^f",í1•bŠŌ,É•,"®□-□"" %Ō%ŌŽZ□•□®□""%Ō%ŌŽZ,ì500Loop,đ%Ō<sup>1</sup>/<sub>2</sub>  
 %Ōñ,Ä,«,<sup>1</sup>/<sub>2</sub>,©,ì%Ōñ□",Ä,·□B'P^Ê,ì500Loop,ì%Ōñ□"□^s,Ä,·□B  
 'ª'èf<□[f`f",íL1fLfffbfVf... "à,ÉŽù,Ü,é,æ,μ□-<sup>3</sup>,□ì,Ä,Ä, ,è,Ü,·,ì,Ä,-{“-,ìCPU"\—  
 í,ª,í,©,è,Ü,·□B  
 CPUf{f^f",đ%Ōÿ,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ϕ□B  
 fffWf^f<,đf\_fuf<fNfŠfbfN,·,é,ÆCEÄ•Ê,ÉCEvª,·,éŽ-,ª□o—^,Ü,·□B

## MEMORY

MEMORYf{f^f",í8MByte,ìMEMORY,đ1•bŠŌ,Ä%Ō<sup>1</sup>/<sub>2</sub>  
 %ŌñRead,&Write&ReadWrite□o—^,<sup>1</sup>/<sub>2</sub>,©,đª'è,μ,Ü,·□B  
 MEMORY,ídWORD(4Byte),ÄRead□AWrite,μ,Ä,ϕ,Ü,·□B  
 ReadWrite,ídWORD,ÄRead,μ,»,ì□"'l,đ□{,P,μ,<sup>1</sup>/<sub>2</sub>CEãWrite,μ,Ä,ϕ,Ü,·□B  
 fffWf^f<,đf\_fuf<fNfŠfbfN,·,é,ÆCEÄ•Ê,ÉCEvª,·,éŽ-,ª□o—^,Ü,·□B

## VIDEO

VIDEOf{f^f",íP•bŠŌ,ì<ÉE`&Text&%Ō~&BitBlt&DirectDraw,ì•`%Ōæ%Ōñ□",Ä,·j  
 VIDEOf{f^f",đ%Ōÿ,μ,Ä%Ō<sup>0</sup>,<sup>3</sup>,ϕj'P^Ê,ì%Ōñ□"/s□BDirectDraw,íframe/s,Ä,·□B  
 fffWf^f<,đf\_fuf<fNfŠfbfN,·,é,ÆCEÄ•Ê,ÉCEvª,·,éŽ-,ª□o—^,Ü,·□B

## DISK

DISKf{f^f",ífŠ□[fh□Af%ŌfCf□AfRfs□[,ì1•bŠŌ,ì"'—fofCf□(KByte/s),đª,è,Ü,·□B  
 fhf%ŌfCfu□•Žg—p—e—É,đ'l,ñ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ϕ□BŽg—p—e—  
 Ê,íffftHf<fg,Ä100MByte,É,È,Ä,Ä,ϕ,Ü,·□B  
 fRfs□[,í64KByte,ìftf@fCf<,đ~A'±fRfs□[,μ,<sup>1</sup>/<sub>2</sub>,Æ,«,ì"'—'—'x,Ä,·□B  
 DISKª'è,íDISKfLfffbfVf...,đ□□,Ä,Äª'è,μ,Ä,ϕ,Ü,·,ì,Ä,É□íŽg—  
 pŽž,æ,è,à□,·,ϕ□"'l,ª□o,Ü,·□B  
 CE»□YCD-ROM,íª'è,Ä,«,Ü,<sup>1</sup>,ñ□B

## Close

HDBENCH,đ□l—<sup>1</sup>,μ,Ü,·□B

## Print

CE<%ŌÉ,đ^ó□ü,μ,Ü,·□B

## Copy

fNfŠfbfvf{[fh,ÉĈ<%oÊ,đfRfs[.,μ,Ü,·□B  
flfvfVf†f“,ĀĈ<%oÊ,ì,ŸfRfs[.,âCSVftfH[f}fbfg,ĀfRfs[.,,é,±,Æ,à□o—^,Ü,·□B

## System

fVfXfef€•” —f[f,fŠ□A<ó,«f[f,fŠ□Afvf□fZfbfT□A,n,r□AHDBENCH,ìfo□[fWf†f“,đ•\  
Ž!,μ,Ü,·□B  
Žü”g□”‘a’è,à□o—^,Ü,·□B  
RDTSC,đŽg,!,Ě,č,b,o,t,í‘a’è,.,é,±,Æ,a□o—^,Ü,¹,ñ□B

## Graph

xf“f`Ĉ<%oÊ,đ-\_fOf%oft,Ā”ä,x,é,±,Æ,a□o—^,Ü,·□B

## Update

fCf“f^□[flfbfg,É□Ú’±,μ□Ā□V,ìHDBENCH,âxf“f`Ĉ<%oÊ,đf\_fEf“f□□[fh,μ,Ü,·□B

## Help

,±,ìHelpftf@fCf<,đ<N“®.,μ,Ü,·□B

## Option

### M/B,Ü,½,ÍPC,ì-¼‘O

f}fU□[f{□[fh-¼,âpfjRf“-¼□A^x□ì-¼,đ“ü—  
!,.,é,ÆĈ<%oÊ,đfRfs[.,μ,½ŽŽ,ÉŽ©“®.,ĀM/BName,!,Æ,±,ë,É“ü—í,³,ê,Ü,·□B

### □Ú×,ÈCyrìxCPU-¼,ìŽæ“¾(Win9x,ì,Ý)

CyrìxCPU,ì□ê□†,í”{—!,âCPU-¼,đ□³Šm,É”FŽ˘,Ā,«,é,æ,x,É,È,è,Ü,·□B  
,½,¾,μOS,âfnf“fOfAfbfv,μ,Ā,μ,Ü,x,±,Æ,à,.,é,æ,x,Ā,·□B  
,±,ì□ê□†,ìŽc”O,Ā,.,âf`fFfbfN,đŠO,μ,Ā,,¾,¾,č□B

### DirectDraw,à‘a’è,.,é

DirectDraw,ìĈEv‘a,đ,μ,Ü,·□B  
,±,é,í,Q,O,O,O-†,ìfXfvf%ofCfg,đ•\Ž!,³,¹,½□ê□†,ìftfĈ□[f€/s,Ā,·□B

### VIDEOxf“f`,Ā□³□í,É•`%oæ,³,ê,Ā,č,é,©f`fFfbfN,.,é

Ver3.00,©,ç,ìVIDEOxf“f`,ì□Ú•`%oæ,μ,½,Æ,±,è,a-{-,-,É•`%oæ,³,ê,Ā,č  
,é,©f`fFfbfN,.,éflfvfVf†f“,đ’Ĉ%oĀ,μ,Ü,μ,½□B  
ffftfHf<fg,Ā,ìf`fFfbfN,μ,Ā,č,Ü,¹,ñ□B  
,±,ìf`fFfbfN,É^ø,Ā,©,©,é,Æxf“f`,a’±□s,³,ê,È,,È,è,Ü,·□B  
,±,ìf`fFfbfNf}□[fN,đŠO,.,Æ□³□í,É•`%oæ,³,ê,Ā,č,È,č□ê□†,Ā,à’±□s,μ,Ü,·□B

### Ĉ<%oÊ,ì,ŸfRfs[.,,é

,±,ì□€-Ú,Éf`fFfbfN,đ“ü,ê,é,ÆĈ<%oÊ,ì,ŸfRfs[.,³,ê,é,æ,x,É,È,è,Ü,·□B

### fRfs□[Ĉ`Ž®

### ‘Ē□íftfH□[f}fbfg

, ±, ì, €-Ú, ð, 'ä, ·, é, Æ, i, Ü, Å, Æ" , ¶ftfH[f]fbfg, ÅfRfs[, μ, Ü, ·B

### CSVftfH[f]fbfg[i]c[j]

, ±, ì, €-Ú, Éf`fFbfN, ð"ü, ê, é, Æ, <%oÊ, @CSVftfH[f]fbfg(c), ÅfRfs[, ³, ê, é, æ, x, É, È, è, Ü, ·B

### CSVftfH[f]fbfg[i%o]j

, ±, ì, €-Ú, Éf`fFbfN, ð"ü, ê, é, Æ, <%oÊ, @CSVftfH[f]fbfg(%o;), ÅfRfs[, ³, ê, é, æ, x, É, È, è, Ü, ·B

,» ,í'¼

,±,ì\ftfg,íftfš[fEfffA,Å,·B  
,±,ìfvf[fOf%of€,ì"Ú,ÍŽ-'O,Ü,½,ÍŽ-Æä,Éf[f<,ð,ç,½,¾,¯,ê,ÎŽ©-R,Å,·B

,±,ìfvf[fOf%of€,ðŽg-p,μ,½Æ<%oÊ,ç,©,È,é'ŠQ,É'Í,μ,Ä,à\iŽÒ,íÓ"C,ð•%o,ç  
,Ü,<sup>1</sup>,ñB  
Æä^ÓÆ©[EÆä-v-]¥,È,Ç,<sup>2</sup>,',ç,Ü,μ,½,ç EP82%ü/,©,, ,Ü,Åf[f<,É,Ä,"'m,ç,<sup>1</sup>,  
,¾,<sup>3</sup>,çB  
e-mail : ep82kazu@hdbench.net

,±,ì\ftfg,ÍDISK'ª'è,ìÛAÛ'è,μ,½HDD-e-Ê,ðŽg-p,μ,Ü,·B  
,à,μDISKxf'f',ìÛfnf'fOfAfbfv,μ,Ä<[S|—<sup>1</sup>,<sup>3</sup>,<sup>1</sup>,½ê[†,í'ª'èfhf  
%ofCfu,ÉHDBENCH.???,Ü,½,ÍHDBENCH.copyfile.???,i???,í"Žšj,ªŽc,Á,Ä,μ,Ü,ç  
,Ü,·B  
,» ,ìê[†,ÍHDBENCH.???,Ü,½,ÍHDBENCH.copyfile.???,ðí[œ,μ,Ä,,¾,<sup>3</sup>,ç(□o—  
^,é,¾,¯†g,ðŠm"F,μ,Ä,©,ç,É,μ,Ä,,¾,<sup>3</sup>,ç)

fx'f'Æ<%oÊ,í□o—^,é,¾,¯f[f<,Ä,È,%o<LHP,ìfx'f'Æ<%oÊê—  
p,ìÆfŽ'Ä,É[',«ž,ñ,Ä,,¾,<sup>3</sup>,çB  
<http://www.hdbench.net/>

,ç,Ü,Ü,Åf[f<,Ä,ìŽj-â,<sup>a</sup>,©,È,è, ,è,Ü,μ,½,ªfofO•ñ[□A-v-]•ñ[èÈŠO,ìŽj-â,í,<sup>2</sup>  
%o"—¶,,¾,<sup>3</sup>,çB  
,±,ç,ç,Ä"š,ì,é•K-v,<sup>a</sup>,È,ç,Æ"»'f,μ,½ê[†,í•ÔM,μ,Ü,<sup>1</sup>,ñB

^ê"Ê"l,ÈŽj-â,í%o<LHP,ì%oï<cŽ<sup>o</sup>,É[',«ž,ß,Í'N,©,<sup>a</sup>š,ì,Ä,,é,é,©,à,μ,ê,Ü,<sup>1</sup>,ñ(^ ^;  
<http://www.hdbench.net/>







