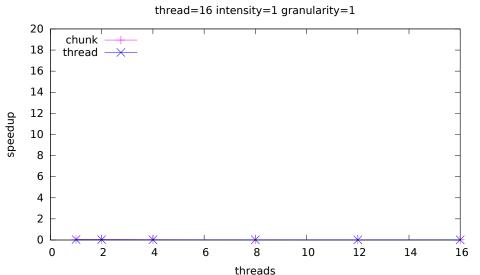


thread=16 intensity=1 granularity=100 chunk thread  $\longrightarrow$ speedup 

chunk thread  $\longrightarrow$ speedup 

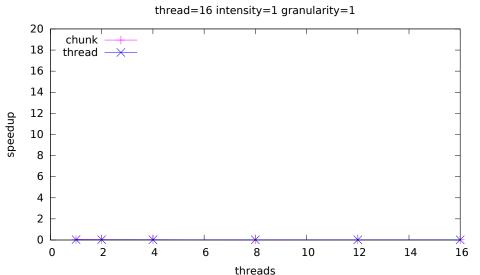
thread=16 intensity=1 granularity=1000000 chunk thread  $\longrightarrow$ speedup 



thread=16 intensity=1 granularity=100 chunk thread  $\longrightarrow$ speedup 

chunk thread  $\longrightarrow$ speedup 

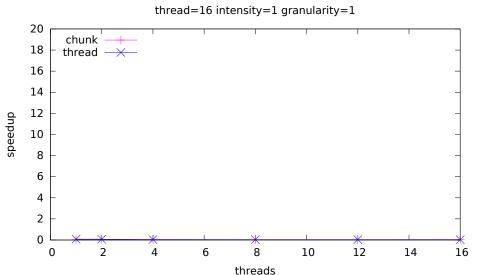
thread=16 intensity=1 granularity=1000000 chunk thread  $\longrightarrow$ speedup 



thread=16 intensity=1 granularity=100 chunk thread  $\longrightarrow$ speedup 

chunk thread  $\longrightarrow$ speedup 

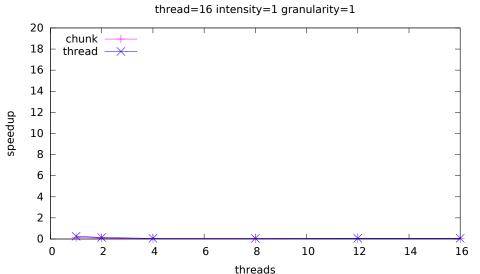
thread=16 intensity=1 granularity=1000000 chunk thread  $\longrightarrow$ speedup 

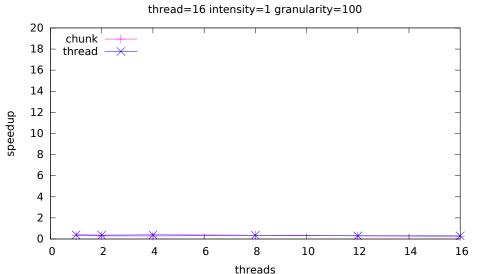


thread=16 intensity=1 granularity=100 chunk thread  $\longrightarrow$ speedup 

chunk thread  $\longrightarrow$ speedup 

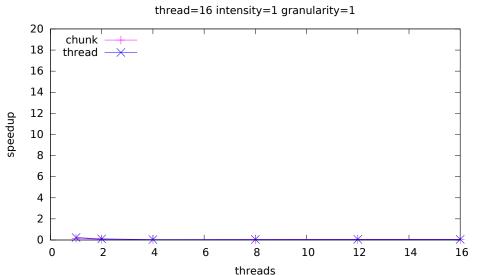
thread=16 intensity=1 granularity=1000000 chunk thread  $\longrightarrow$ speedup 

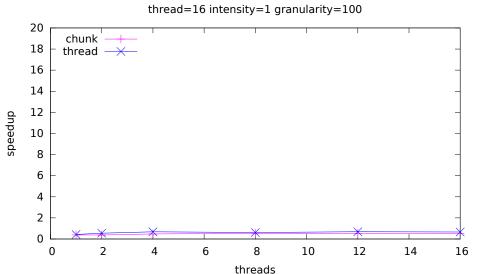




thread=16 intensity=1 granularity=10000 chunk thread  $\longrightarrow$ speedup 

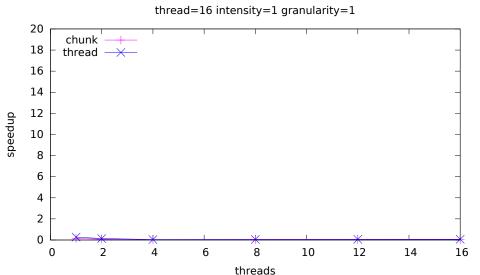
thread=16 intensity=1 granularity=1000000 chunk thread  $\longrightarrow$ speedup 

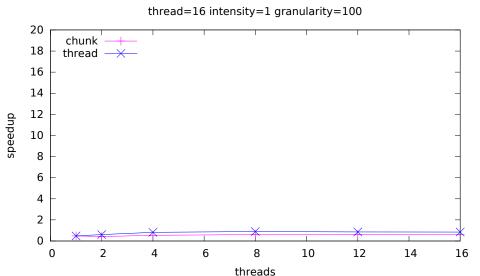




thread=16 intensity=1 granularity=10000 chunk thread  $\longrightarrow$ speedup threads

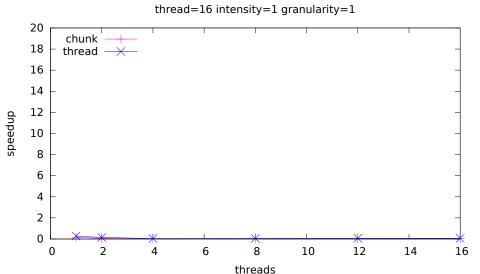
thread=16 intensity=1 granularity=1000000 chunk thread  $\longrightarrow$ speedup 

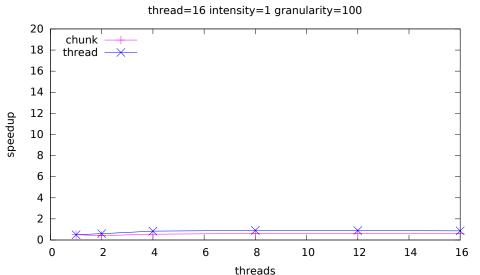




thread=16 intensity=1 granularity=10000 chunk thread  $\longrightarrow$ speedup threads

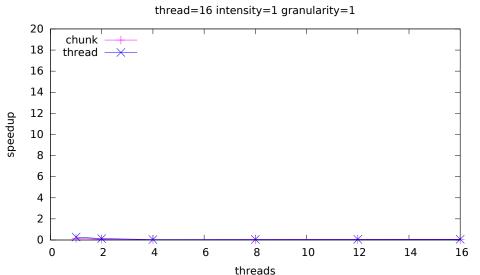
chunk thread  $\longrightarrow$ speedup 

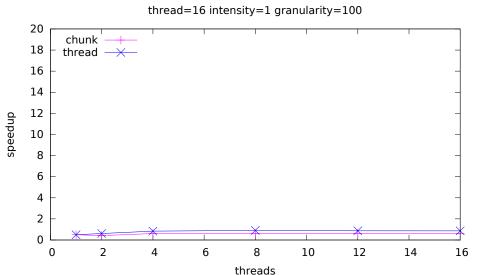




thread=16 intensity=1 granularity=10000 chunk thread  $\longrightarrow$ speedup threads

thread=16 intensity=1 granularity=1000000 chunk thread  $\longrightarrow$ speedup threads





thread=16 intensity=1 granularity=10000 chunk thread  $\longrightarrow$ speedup threads

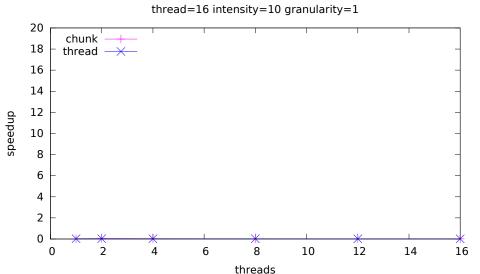
thread=16 intensity=1 granularity=1000000 chunk thread  $\longrightarrow$ speedup threads

thread=16 intensity=10 granularity=1 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=10 granularity=100 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=10 granularity=10000 chunk thread  $\longrightarrow$ speedup 

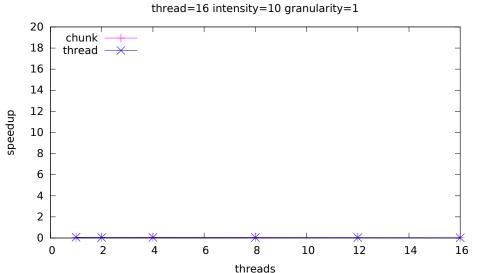
thread=16 intensity=10 granularity=1000000 chunk thread  $\longrightarrow$ speedup 



thread=16 intensity=10 granularity=100 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=10 granularity=10000 chunk thread  $\longrightarrow$ speedup 

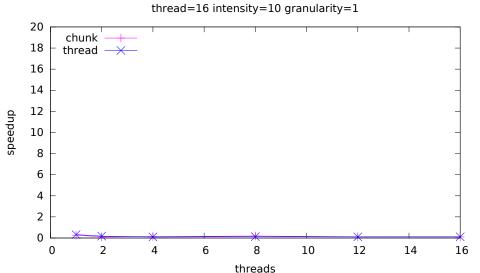
thread=16 intensity=10 granularity=1000000 chunk thread  $\longrightarrow$ speedup 



thread=16 intensity=10 granularity=100 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=10 granularity=10000 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=10 granularity=1000000 chunk thread  $\longrightarrow$ speedup 



thread=16 intensity=10 granularity=100 chunk thread  $\longrightarrow$ speedup 

chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=10 granularity=10000

thread=16 intensity=10 granularity=1000000 chunk thread  $\longrightarrow$ speedup 

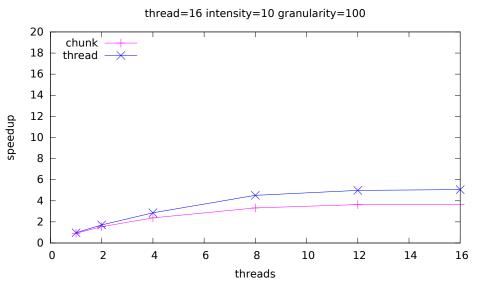
thread=16 intensity=10 granularity=1 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=10 granularity=100 chunk thread  $\longrightarrow$ speedup 

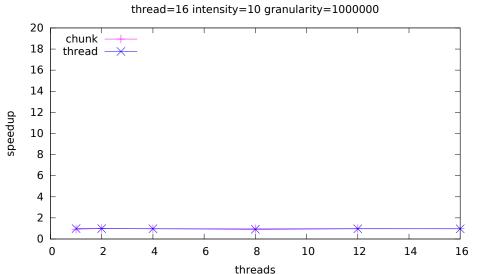
thread=16 intensity=10 granularity=10000 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=10 granularity=1000000 chunk thread  $\longrightarrow$ speedup 

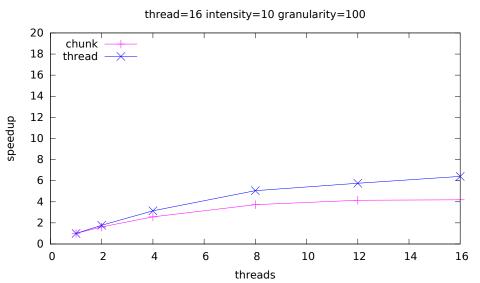
thread=16 intensity=10 granularity=1 chunk thread  $\longrightarrow$ speedup 



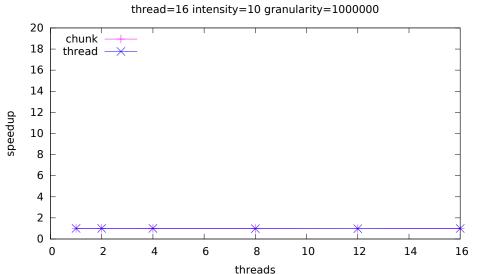
thread=16 intensity=10 granularity=10000 chunk thread  $\longrightarrow$ speedup threads



thread=16 intensity=10 granularity=1 chunk thread  $\longrightarrow$ speedup 



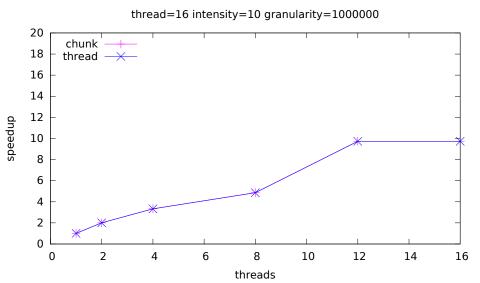
thread=16 intensity=10 granularity=10000 chunk thread  $\longrightarrow$ speedup threads



thread=16 intensity=10 granularity=1 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=10 granularity=100 chunk thread  $\longrightarrow$ speedup threads

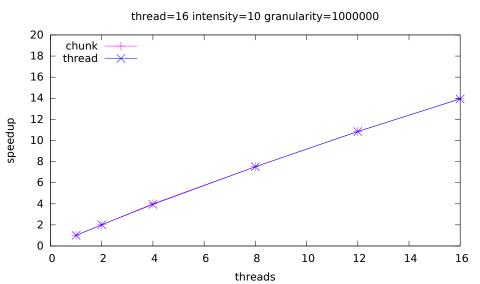
thread=16 intensity=10 granularity=10000 chunk thread  $\longrightarrow$ speedup threads



thread=16 intensity=10 granularity=1 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=10 granularity=100 chunk thread  $\longrightarrow$ speedup threads

thread=16 intensity=10 granularity=10000 chunk thread  $\longrightarrow$ speedup threads

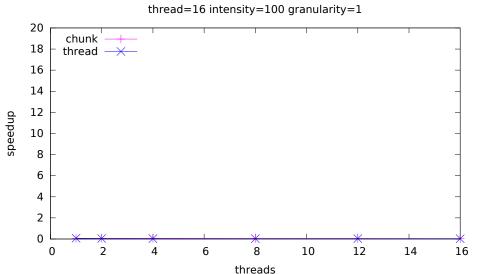


thread=16 intensity=100 granularity=1 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=100 granularity=100 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=100 granularity=10000 chunk thread  $\longrightarrow$ speedup 

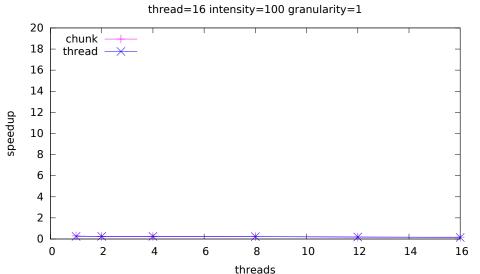
thread=16 intensity=100 granularity=1000000 chunk thread  $\longrightarrow$ speedup 



thread=16 intensity=100 granularity=100 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=100 granularity=10000 chunk thread  $\longrightarrow$ speedup 

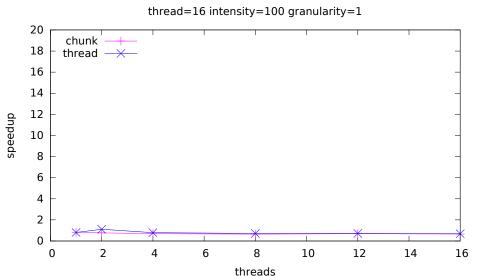
chunk thread  $\longrightarrow$ speedup 



chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=100 granularity=10000 chunk thread  $\longrightarrow$ speedup 

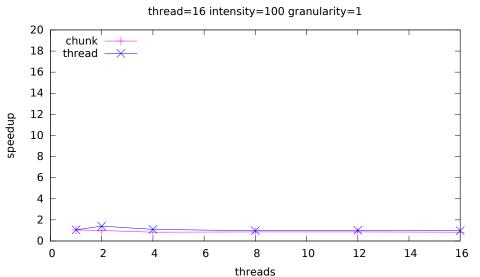
chunk thread  $\longrightarrow$ speedup 



thread=16 intensity=100 granularity=100 chunk thread  $\longrightarrow$ speedup 

chunk thread  $\longrightarrow$ speedup 

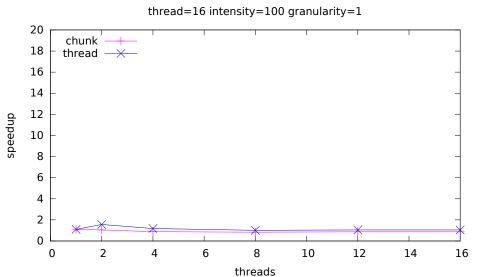
thread=16 intensity=100 granularity=1000000 chunk thread  $\longrightarrow$ speedup 

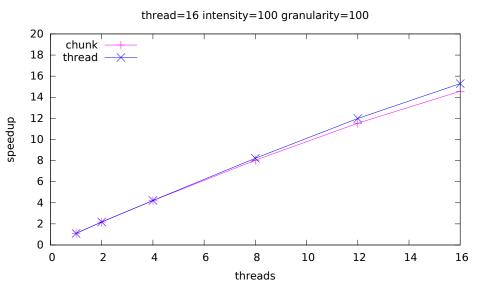


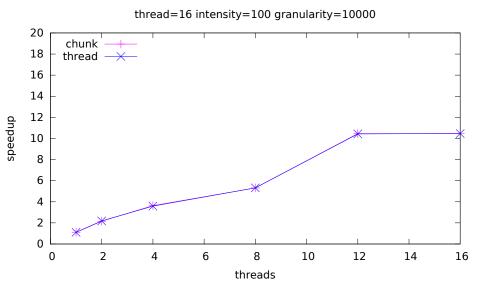
thread=16 intensity=100 granularity=100 chunk thread  $\longrightarrow$ speedup threads

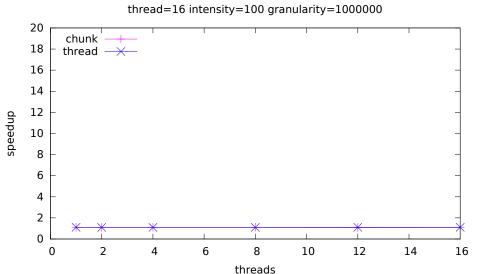
thread=16 intensity=100 granularity=10000 chunk thread  $\longrightarrow$ speedup 

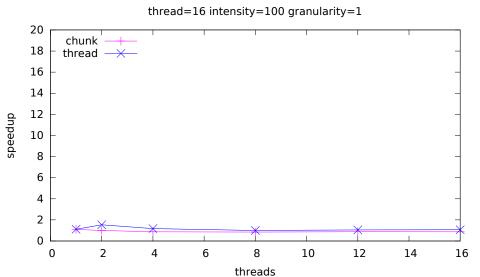
chunk thread  $\longrightarrow$ speedup 



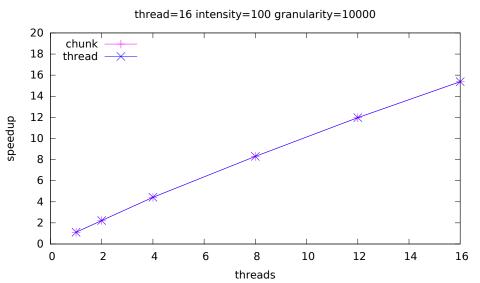




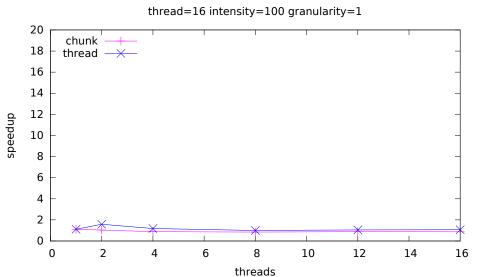


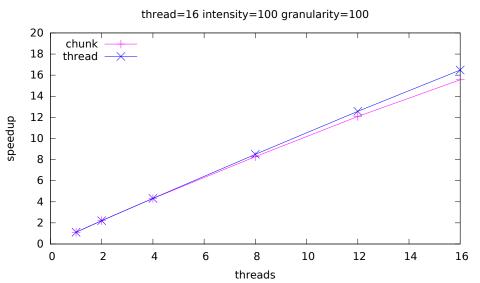


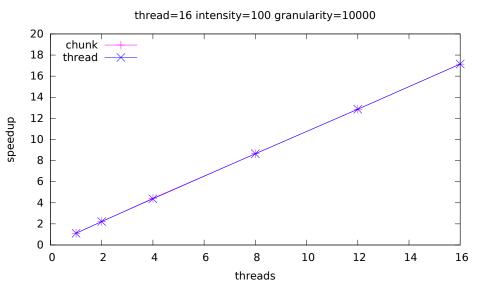
thread=16 intensity=100 granularity=100 chunk thread  $\longrightarrow$ speedup threads

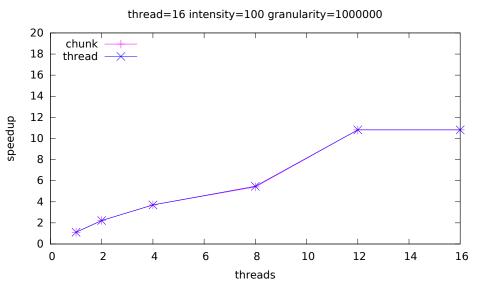


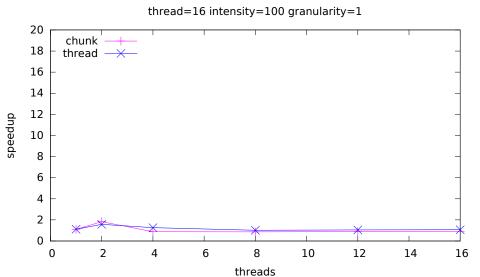
thread=16 intensity=100 granularity=1000000 chunk thread  $\longrightarrow$ speedup 

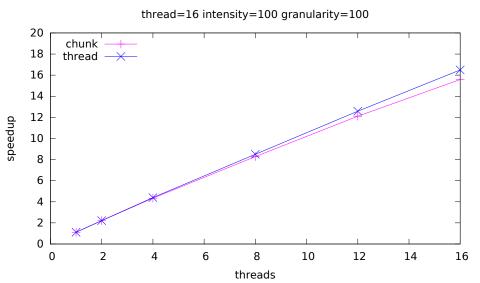


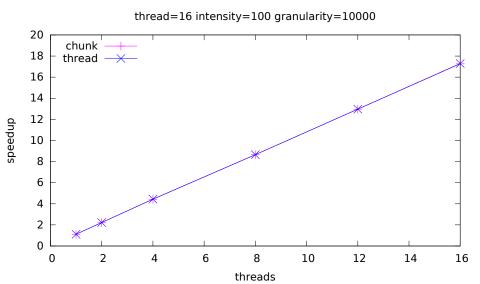


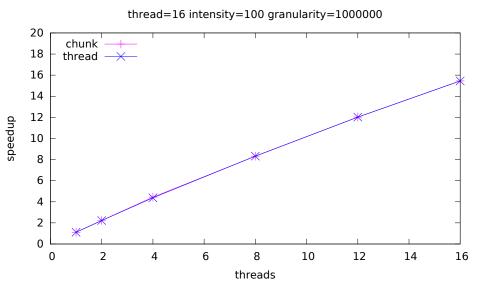


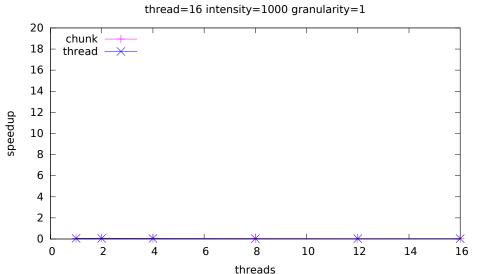












thread=16 intensity=1000 granularity=100 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=1000 granularity=10000 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=1000 granularity=1000000 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=1000 granularity=1 chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=1000 granularity=100 chunk thread  $\longrightarrow$ speedup 

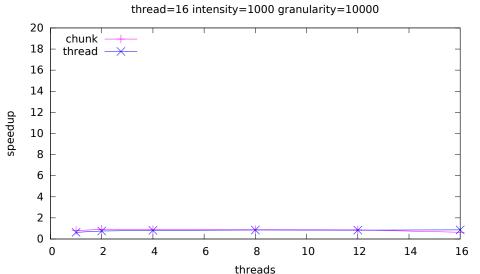
thread=16 intensity=1000 granularity=10000 chunk thread  $\longrightarrow$ speedup 

chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=1000 granularity=1000000

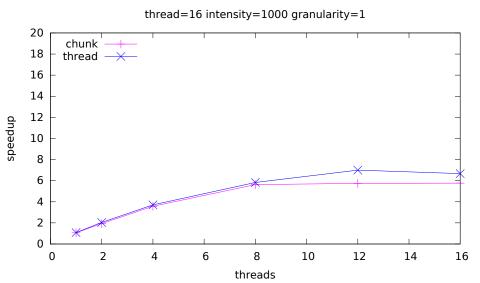
thread=16 intensity=1000 granularity=1 chunk thread  $\longrightarrow$ speedup threads

thread=16 intensity=1000 granularity=100 chunk thread  $\longrightarrow$ speedup 

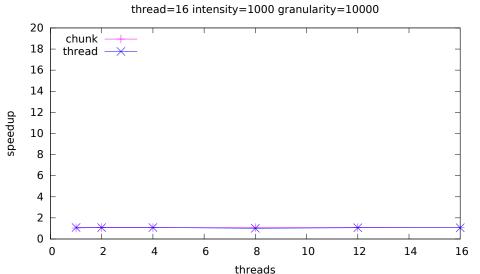


chunk thread  $\longrightarrow$ speedup 

thread=16 intensity=1000 granularity=1000000

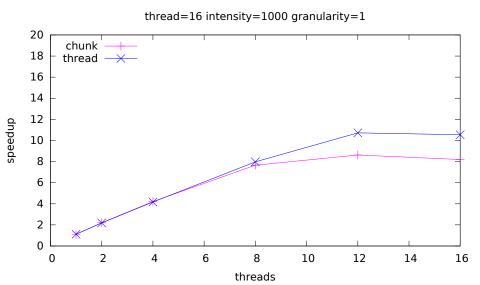


thread=16 intensity=1000 granularity=100 chunk thread  $\longrightarrow$ speedup threads

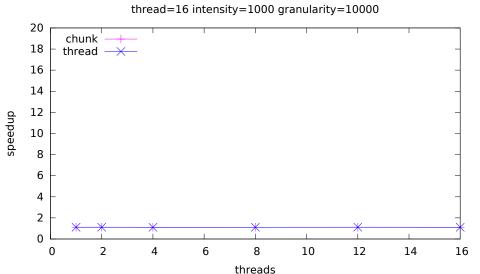


chunk thread  $\longrightarrow$ speedup 

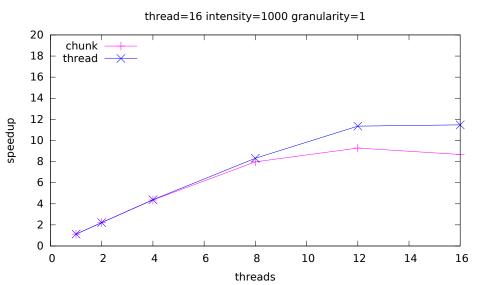
thread=16 intensity=1000 granularity=1000000



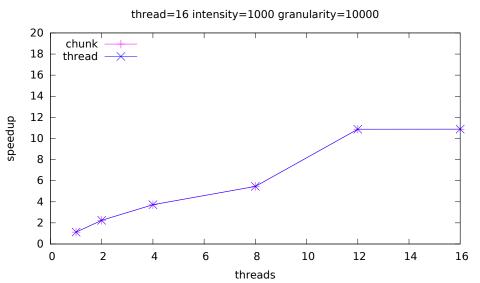
thread=16 intensity=1000 granularity=100 chunk thread  $\longrightarrow$ speedup threads



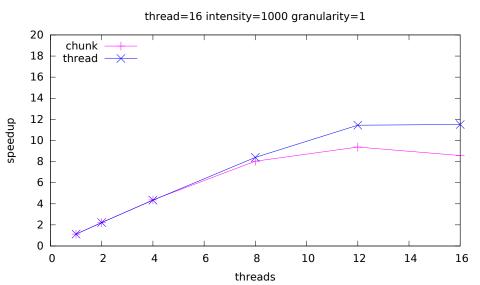
thread=16 intensity=1000 granularity=1000000 chunk thread  $\longrightarrow$ speedup 



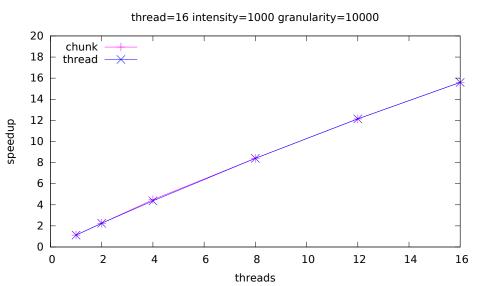
thread=16 intensity=1000 granularity=100 chunk thread  $\longrightarrow$ speedup threads



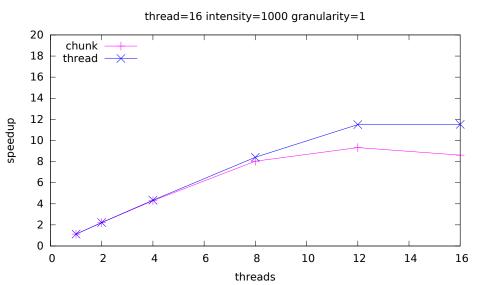
thread=16 intensity=1000 granularity=1000000 chunk thread  $\longrightarrow$ speedup 



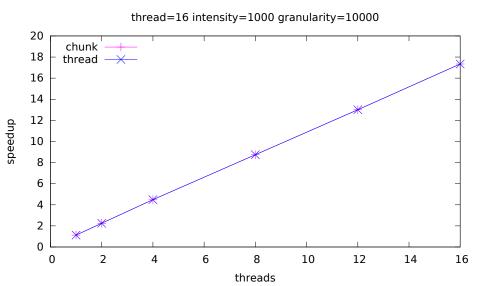
thread=16 intensity=1000 granularity=100 chunk thread  $\longrightarrow$ speedup threads



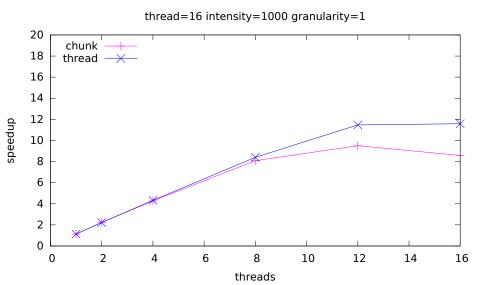
thread=16 intensity=1000 granularity=1000000 chunk thread  $\longrightarrow$ speedup 



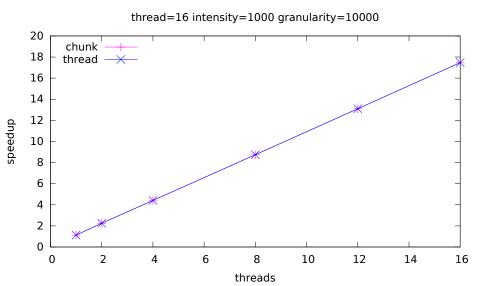
thread=16 intensity=1000 granularity=100 chunk thread  $\longrightarrow$ speedup threads



thread=16 intensity=1000 granularity=1000000 chunk thread  $\longrightarrow$ speedup threads



thread=16 intensity=1000 granularity=100 chunk thread  $\longrightarrow$ speedup threads



thread=16 intensity=1000 granularity=1000000 chunk thread  $\longrightarrow$ speedup threads