

push %rbp  
push %r15  
push %r14  
push %r13  
push %r12  
push %rbx  
mov 0x60(%rdi),%rax  
mov (%rsi),%rdx  
imul %rax,%rdx  
add 0x30(%rdi),%rdx  
movslq 0x1c(%rdi),%rcx  
add %rdx,%rax  
cmp %rcx,%rax  
mov %rcx,%r13  
cmovle %rax,%r13  
test %rcx,%rcx  
cmovs %rax,%r13  
mov %rdx,-0x8(%rsp)  
sub %rdx,%r13  
test %r13,%r13  
jle 0x7ffff7fcb64a <gramschmidt\_kernel2+522>

No Jump

Jump

mov (%rdi),%rax  
mov %rax,-0x10(%rsp)  
mov 0x8(%rdi),%r12  
mov 0x10(%rdi),%rax  
mov %rax,-0x18(%rsp)  
movslq 0x18(%rdi),%rax  
mov %rax,-0x20(%rsp)  
mov 0x20(%rdi),%eax  
mov %eax,-0x24(%rsp)  
mov %r13,%rcx  
sar \$0x3,%rcx  
mov %r13,%rax  
and \$0xfffffffffffff8,%rax  
sub %rax,%r13  
test %rcx,%rcx  
je 0x7ffff7fcb600 <gramschmidt\_kernel2+448>

No Jump

Jump

mov -0x24(%rsp),%edx  
vmovd %edx,%xmm0  
vpbroadcastd %xmm0,%ymm0  
mov -0x20(%rsp),%rdi  
imul %edi,%edx  
mov -0x10(%rsp),%rsi  
lea (%rsi,%rdi,4),%rbx  
add %edi,%edx  
movslq %edx,%r15  
mov -0x18(%rsp),%rdx  
lea (%rdx,%rdi,4),%rbp  
mov -0x8(%rsp),%rdx  
vmovd %edx,%xmm1  
vpbroadcastd %xmm1,%ymm1  
movabs \$0x7fff7fca000,%rdx  
vpadd (%rdx),%ymm1,%ymm1  
vpmulld %ymm0,%ymm1,%ymm0  
vpextrd \$0x1,%xmm0,%edx  
vmovd %xmm0,%esi  
sub %esi,%edx  
shl \$0x3,%edx  
vmovd %edx,%xmm1  
vpbroadcastd %xmm1,%ymm1  
nopw %cs:0x0(%rax,%rax,1)

vpextrq \$0x1,%xmm0,%rdi  
vmovq %xmm0,%r10  
vextracti128 \$0x1,%ymm0,%xmm2  
vmovq %xmm2,%rdx  
movslq %r10d,%r8  
sar \$0x20,%r10  
movslq %edi,%r9  
vpextrq \$0x1,%xmm2,%rsi  
movslq %edx,%r11  
sar \$0x20,%rdx  
movslq %esi,%r14  
sar \$0x20,%rsi  
vmovss (%rbx,%r11,4),%xmm2  
vmovss (%rbx,%r8,4),%xmm3  
vinsertps \$0x10,(%rbx,%rdx,4),%xmm2,%xmm2  
vinsertps \$0x10,(%rbx,%r10,4),%xmm3,%xmm3  
vinsertps \$0x20,(%rbx,%r14,4),%xmm2,%xmm2  
vinsertps \$0x20,(%rbx,%r9,4),%xmm3,%xmm3  
vinsertps \$0x30,(%rbx,%rsi,4),%xmm2,%xmm2  
sar \$0x20,%rdi  
vinsertps \$0x30,(%rbx,%rdi,4),%xmm3,%xmm3  
vinsertf128 \$0x1,%xmm2,%ymm3,%ymm2  
vbroadcastss (%r12,%r15,4),%ymm3  
vdivps %ymm3,%ymm2,%ymm2  
vmovss %xmm2,0x0(%rbp,%r8,4)  
vextractps \$0x1,%xmm2,0x0(%rbp,%r10,4)  
vextractps \$0x2,%xmm2,0x0(%rbp,%r9,4)  
vextractps \$0x3,%xmm2,0x0(%rbp,%rdi,4)  
vextractf128 \$0x1,%ymm2,%xmm2  
vmovss %xmm2,0x0(%rbp,%r11,4)  
vextractps \$0x1,%xmm2,0x0(%rbp,%rdx,4)  
vpadd %ymm1,%ymm0,%ymm0  
vextractps \$0x2,%xmm2,0x0(%rbp,%r14,4)  
add \$0xffffffffffff,%rcx  
vextractps \$0x3,%xmm2,0x0(%rbp,%rsi,4)  
jne 0x7ffff7fcb530 <gramschmidt\_kernel2+240>

No Jump

Jump

test %r13,%r13  
mov -0x10(%rsp),%rdx  
mov -0x18(%rsp),%rsi  
mov -0x24(%rsp),%edi  
je 0x7ffff7fcb64a <gramschmidt\_kernel2+522>

No Jump

Jump

mov %edi,%ecx  
mov -0x20(%rsp),%rbp  
imul %ebp,%ecx  
add -0x8(%rsp),%rax  
add %ebp,%ecx  
movslq %ecx,%rcx  
imul %edi,%eax  
add %ebp,%eax  
nopl 0x0(%rax)

cltq  
vmovss (%rdx,%rax,4),%xmm0  
vdivss (%r12,%rcx,4),%xmm0,%xmm0  
vmovss %xmm0,(%rsi,%rax,4)  
add %edi,%eax  
add \$0xffffffffffff,%r13  
jne 0x7ffff7fcb630 <gramschmidt\_kernel2+496>

No Jump

Jump

pop %rbx  
pop %r12  
pop %r13  
pop %r14  
pop %r15  
pop %rbp  
vzeroupper  
ret