

# PACE4 v4.34.14

MSVC Profile Win11

SS::mmm.uu

NCASC : 1000

Class::Method	Call Cou...	Function	Function %	Children	Children %	Total	Total %
tfusion::qt_metacall	0.00%	0:000.01	0.00%	262:667.74	99.22%	262:667.75	99.22%
tfusion::on_actionExecute_trigg...	0.00%	0:000.02	0.00%	262:667.72	99.22%	262:667.74	99.22%
tfusion::RunPACE3	0.00%	0:000.03	0.00%	262:667.54	99.22%	262:667.57	99.22%
tfusion::RunPACE3local	0.00%	0:034.03	0.01%	262:633.51	99.21%	262:667.54	99.22%
PACE::PACE3	0.00%	31:757.98	12.00%	230:686.74	87.14%	262:444.71	99.14%
PACE::CHNPRB	2.09%	178:943.27	67.59%	39:666.86	14.98%	218:610.13	82.58%
TLLL	45.26%	39:088.46	14.77%	1:983.39	0.75%	41:071.84	15.51%
PACE::LEV DEN	0.02%	0:008.97	0.00%	4:613.60	1.74%	4:622.57	1.75%
GCLVD	0.02%	4:479.86	1.69%	0:000.02	0.00%	4:479.88	1.69%
PACE::AMASS	0.02%	0:013.24	0.01%	3:989.73	1.51%	4:002.97	1.51%
MJ RAN	0.56%	0:416.22	0.16%	2:145.68	0.81%	2:561.90	0.97%

Startup



# Top Function Time and Call Count

CHNPRB

C:\LISE\cute\g\_PACE\PACE3Levden.cpp Line 453

IPOT!=4 mode most significant  
No lines over 7sec

```

515 38,565 0:013.27 if(IPOT!=4)
516
517
518 822,818 0:275.07 while (true) {
519 ECM=C.Ex+_BE [IPOT]-EBIN [IXRSM];
520 IZZ=_IZR [IPOT];
521 INN=_INR [IPOT];
522 822,818 39:463.09 TLLL (ECM, IPOT, IZZ, INN, TL, LLMAX, s);
523 822,818 0:275.44 if (TL [1]<1.E-10) goto L58;
524 TLSUM [1]=TL [1];
525 775,469 0:252.01 LLM=LLMAX+1;
526 775,469 0:272.62 for (I=2; I<=LLM; I++) TLSUM [I]=TLSUM [I-1]+TL [I];
527
528 IGO =-1; // JSR = J OF RESIDUAL NUCLEUS.
529 JSR=JSC;
530 JSR=min (JSR, MAXJ [IXRSM]);
531 19,575,290 6:245.39 L5: AJR=JSR-1+SR;
532 SUMTL=0.;
533 28,347 0:011.34 DJ=fabs (AJR-AJC);
534 19,575,290 6:229.48 SJ=AJR+AJC;
535
536 19,575,290 6:235.59 ALMAX=SJ+SE; // ALMAX = SUM OF SPINS
537 19,575,290 6:266.89 LMAX=min (ALMAX+0.01, LLMAX);
538
539 // MINIMUM L CONTRIBUTING TO TRANSITIONS
540 19,575,290 6:257.48 if (SE<DJ) { ALMIN=DJ-SE; LMIN=ALMIN+0.1; }
541 754,586 0:238.05 else if (SE>SJ) { ALMIN=SE-SJ; LMIN=ALMIN+0.1; }
542 else LMIN=0;
543
544 19,575,290 6:252.32 if (LMIN>LMAX) goto L6;
545
546 // ++++++
547 // ++++++ FOLLOWING IS SUBSTITUTE CODE FOR CHANNEL SPIN
548 // ++++++ OF 0 AND 1/2 .
549
550 LM1=LMIN;
551 LM2=LMAX+1;
552 18,420,059 5:926.27 SUMTL=TL SUM [LM2];
553 if (LM1>0) SUMTL=TL SUM [LM2]-TL SUM [LM1];
554 SUMTL+=2. *SE*(SUMTL-TL [LM2]-TL [LM1+1]);
555

```

TLLL called by CHNPRB

TLL

C:\LISE\cute\g\_PACE\PACE3compound.cpp Line 756

Class::Method	Call Count	Call Cou...	Function
TLLL	833,148	45.26%	39:088.46

```

890
891 833,147 0:279.95 else {
892 EE=ER+_VQ0 [NP]-_VQS [NP];
893 // THIS PROCEEDURE ADJUSTS THE T-LS TO THE CHANGING COULOMB
894 // BARRIER DURING DEEXCITATION.
895 833,147 0:275.29 if (EE>=_EMAX [NP]) EE=_EMAX [NP]-.01;
896 833,147 0:269.96 if (EE<=_EMIN [NP]) EE=_EMIN [NP]+.01;
897
898 833,147 0:278.32 NE=(EE-_EMIN [NP])*DE1 [NP];
899 833,147 0:276.13 DEE=EE-_EMIN [NP]-DE [NP]*NE;
900 NE++;
901 LLMAX=LL [NP] [NE];
902 LLI=LLMAX+1;
903 if (NP==3) {
904 TL [1]=0.;
905 LMT=LLMAX+1;
906 for (LP1=1; LP1<=LMT; LP1++) {
907 6,193,443 2:025.02 TL [LP1]=0.;
908 348,067 0:112.35 T0=TLAL [LP1] [NE];
909 6,193,443 1:976.21 DTT=(TLAL [LP1] [NE+1]-T0)*DE1 [NP];
910 6,193,443 2:100.86 TLL=T0+DTT* DEE;
911 TL [LP1]=exp (TLL);
912 }
913 _c1_K++;
914 }
915 else for (LP1=1; LP1<=LL1; LP1++) {
916 TL [LP1]=0.;
917 5,134,434 1:685.30 T0=TLPN [NP] [LP1] [NE];
918 485,080 0:155.91 DTT=(TLPN [NP] [LP1] [NE+1]-T0)*DE1 [NP];
919 5,134,434 1:641.30 TLL=T0+DTT* DEE;
920 5,134,434 1:755.32 TL [LP1]=exp (TLL);
921 }

```

Visits Time (SS:mmm.uu)

High call count  
Nothing over 3sec

Visits Time (SS:mmm.uu)

