Profile tmLQCD

2021-09-15

Contents

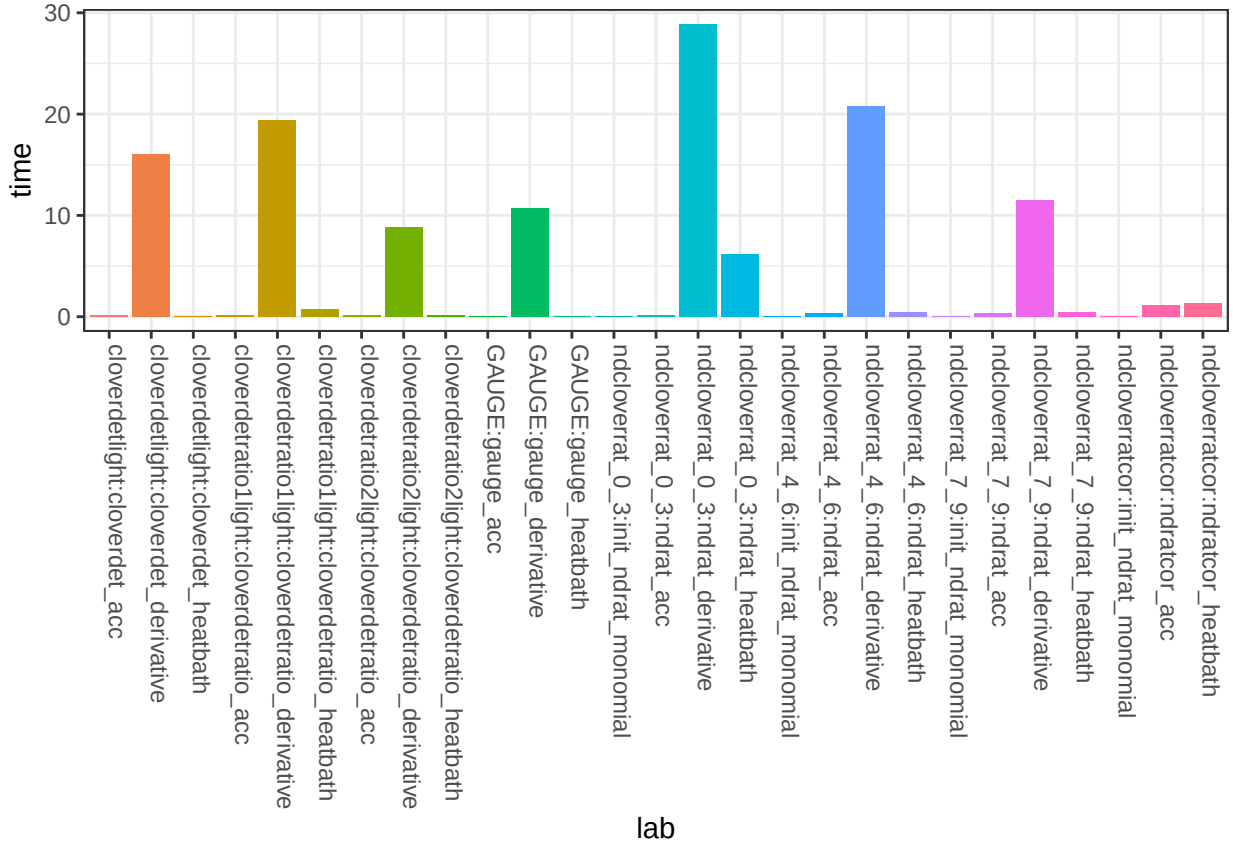
Total time per monomial **1**

Average time per monomial **3**
GAUGE . . . 3
cloverdetlight . . . 4
cloverdetratio1light . . . 5
cloverdetratio2light . . . 7
ndcloverrat_0_3 . . . 8
ndcloverrat_4_6 . . . 10
ndcloverrat_7_9 . . . 11
ndcloverratcor . . . 13

Total time per monomial

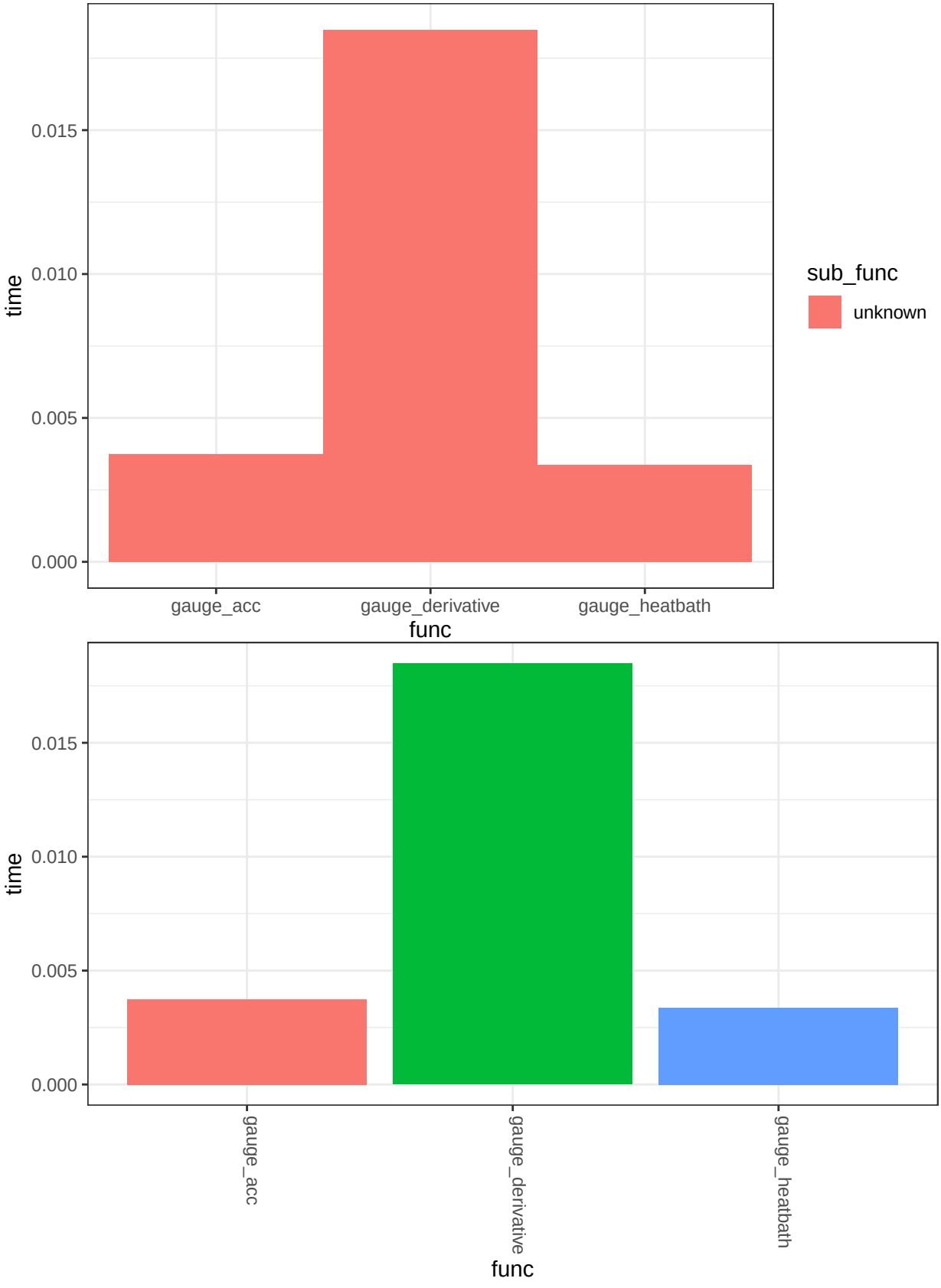
mon	func	time
GAUGE	gauge_acc	0.0112314
GAUGE	gauge_derivative	10.7038957
GAUGE	gauge_heatbath	0.0101253
cloverdetlight	cloverdet_acc	0.1193274
cloverdetlight	cloverdet_derivative	16.0784510
cloverdetlight	cloverdet_heatbath	0.0686786
cloverdetratio1light	cloverdetratio_acc	0.1590709
cloverdetratio1light	cloverdetratio_derivative	19.4434962
cloverdetratio1light	cloverdetratio_heatbath	0.7670639
cloverdetratio2light	cloverdetratio_acc	0.1531508
cloverdetratio2light	cloverdetratio_derivative	8.8792860
cloverdetratio2light	cloverdetratio_heatbath	0.1952349
ndcloverrat_0_3	ndrat_acc	0.1432174
ndcloverrat_0_3	ndrat_derivative	28.8882504
ndcloverrat_0_3	ndrat_heatbath	6.1397708
ndcloverrat_0_3	init_ndrat_monomial	0.0000357
ndcloverrat_4_6	ndrat_acc	0.3329569
ndcloverrat_4_6	ndrat_derivative	20.7918074
ndcloverrat_4_6	ndrat_heatbath	0.4251445
ndcloverrat_4_6	init_ndrat_monomial	0.0000280
ndcloverrat_7_9	ndrat_acc	0.3688108
ndcloverrat_7_9	ndrat_derivative	11.4862718
ndcloverrat_7_9	ndrat_heatbath	0.4853483
ndcloverrat_7_9	init_ndrat_monomial	0.0000178
ndcloverratcor	ndratcor_acc	1.1437699
ndcloverratcor	ndratcor_heatbath	1.3020087

mon	func	time
ndcloverratcor	init_ndrat_monomial	0.0000469



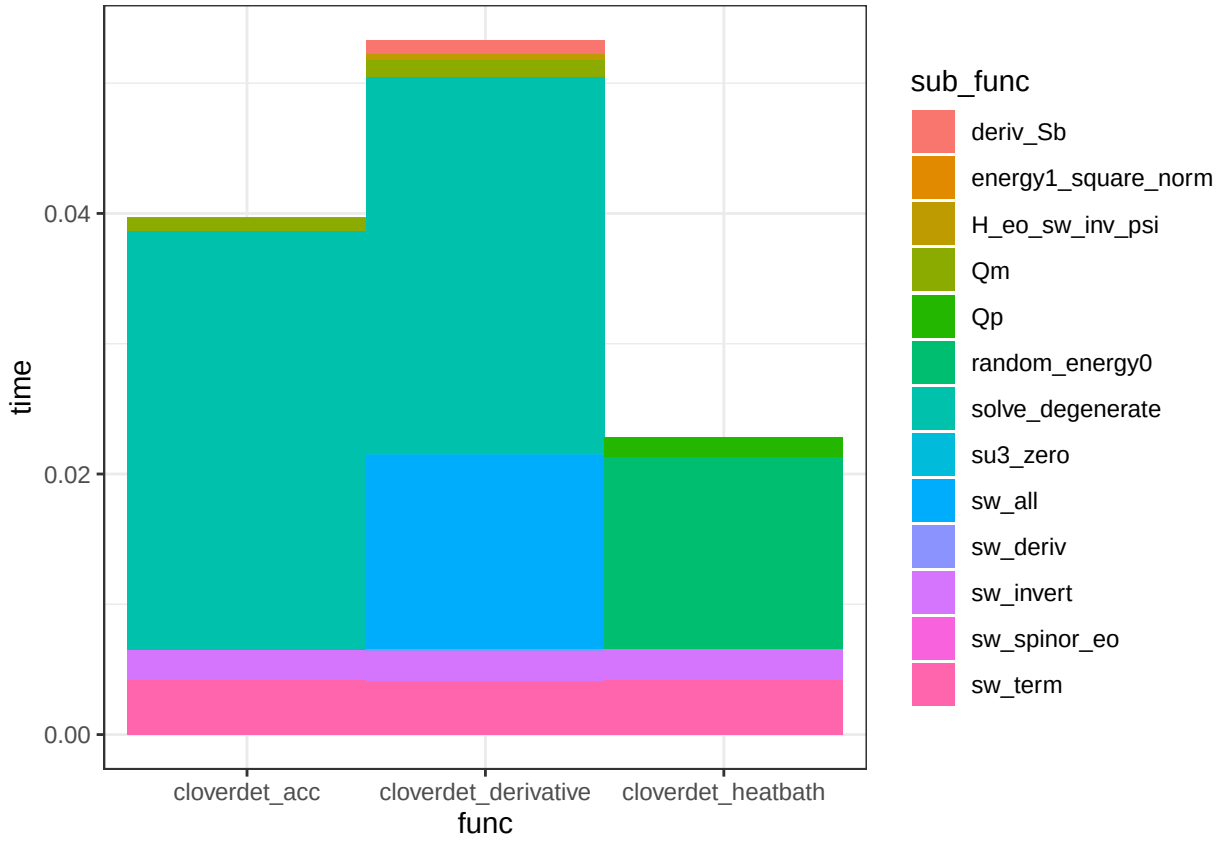
Average time per monomial

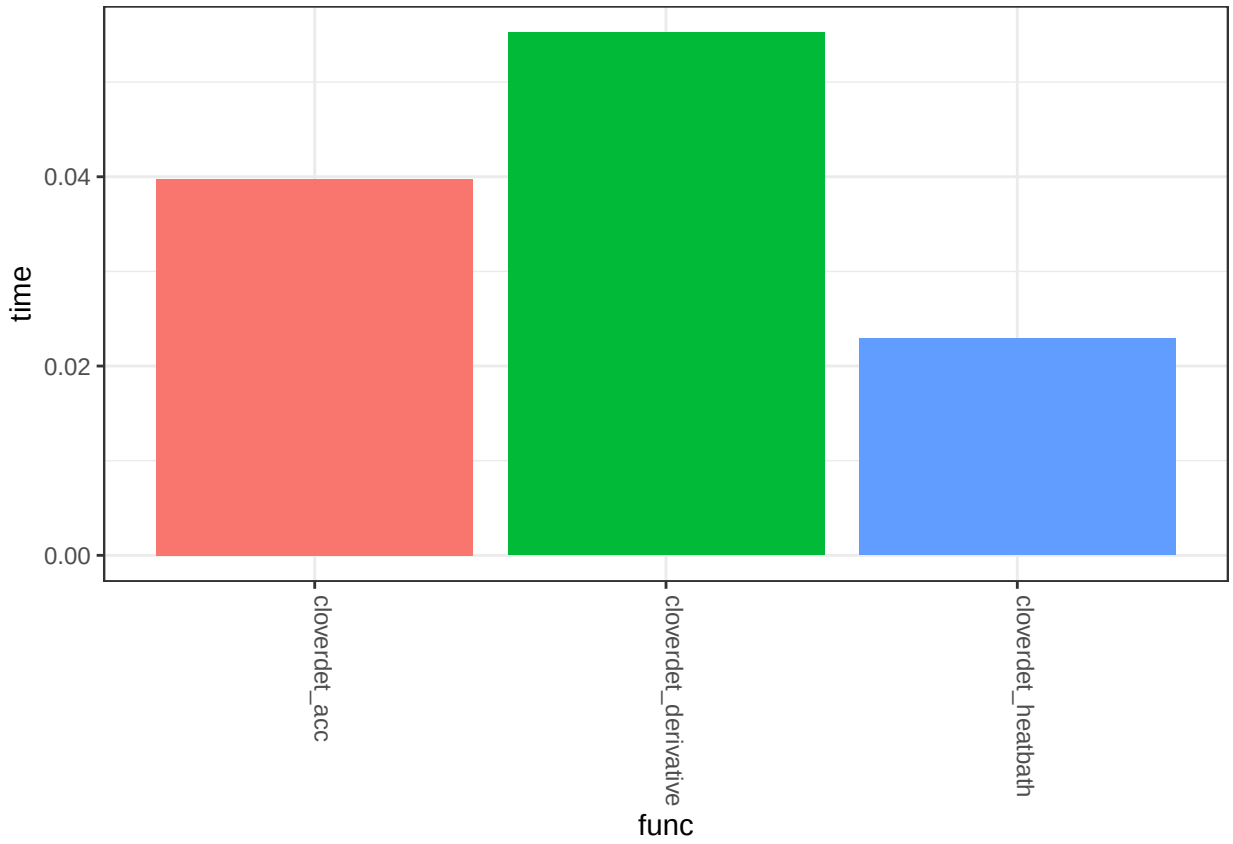
GAUGE



cloverdetlight

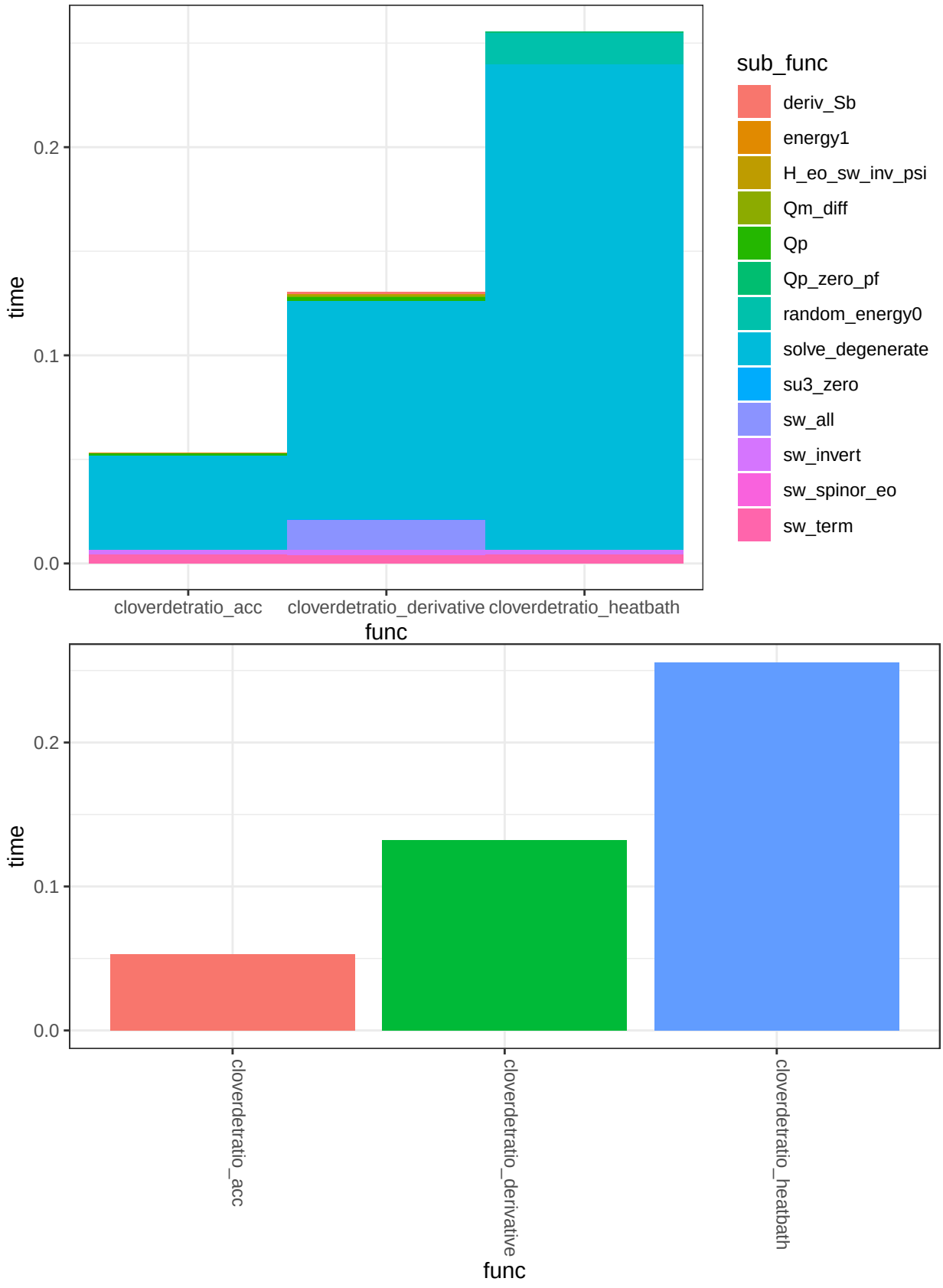
```
## Warning: Removed 1 rows containing missing values (position_stack).
## Warning: Removed 2 rows containing missing values (position_stack).
## Warning: Removed 3 rows containing missing values (position_stack).
```





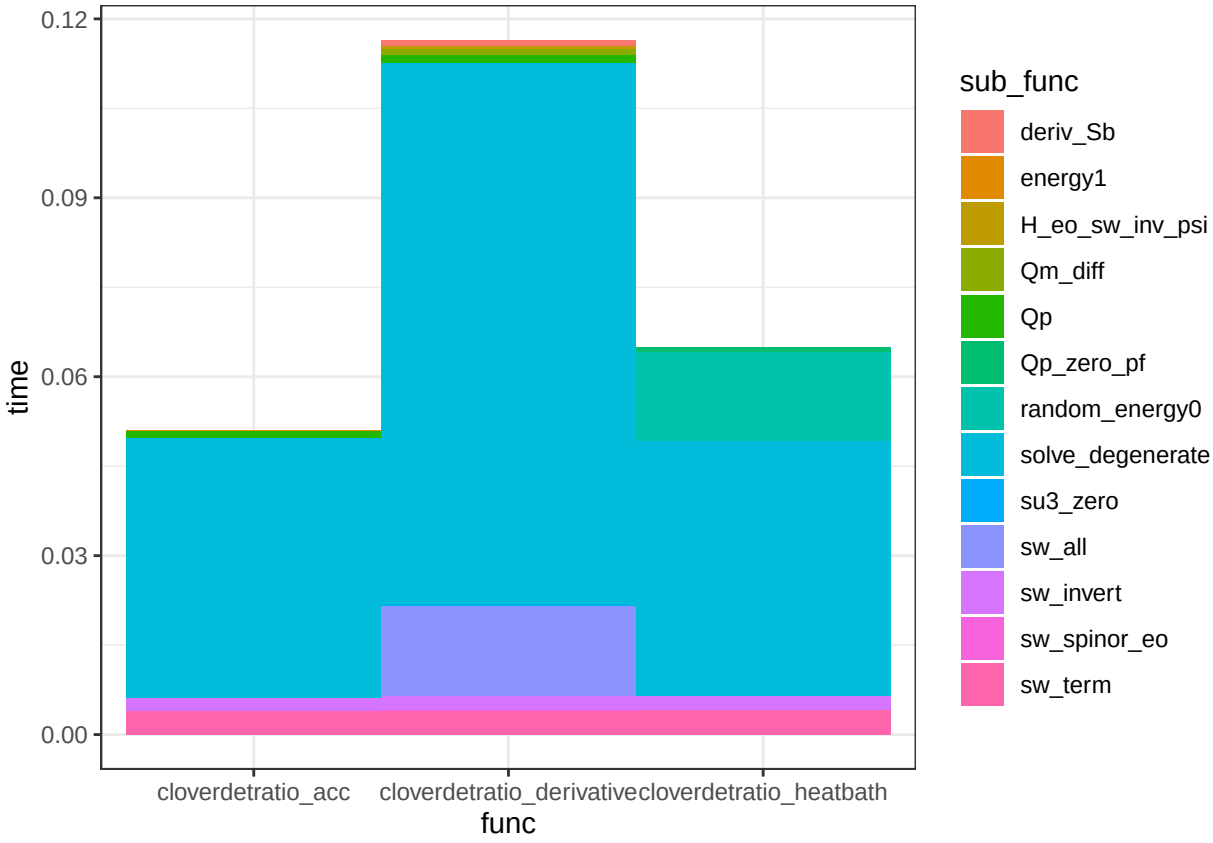
cloverdetratio1light

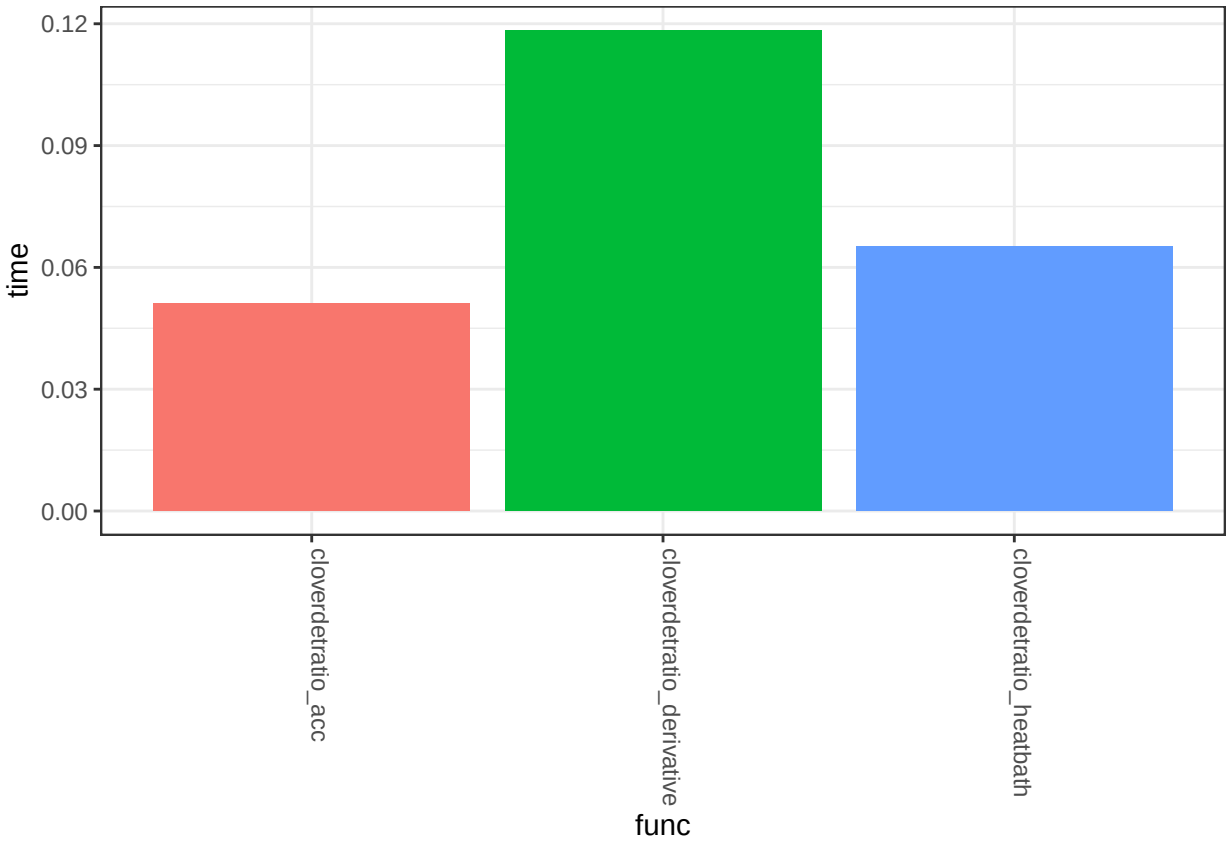
```
## Warning: Removed 1 rows containing missing values (position_stack).
## Warning: Removed 2 rows containing missing values (position_stack).
## Warning: Removed 3 rows containing missing values (position_stack).
```


sub_func
deriv_Sb
energy1
H_eo_sw_inv_psi
Qm_diff
Qp
Qp_zero_pf
random_energy0
solve_degenerate
su3_zero
sw_all
sw_invert
sw_spinor_eo
sw_term
time
0.0
0.1
0.2
cloverdetratio_acc
cloverdetratio_derivative
cloverdetratio_heatbath
func
time
0.0
0.1
0.2
cloverdetratio_acc
cloverdetratio_derivative
cloverdetratio_heatbath
func

cloverdetratio2light

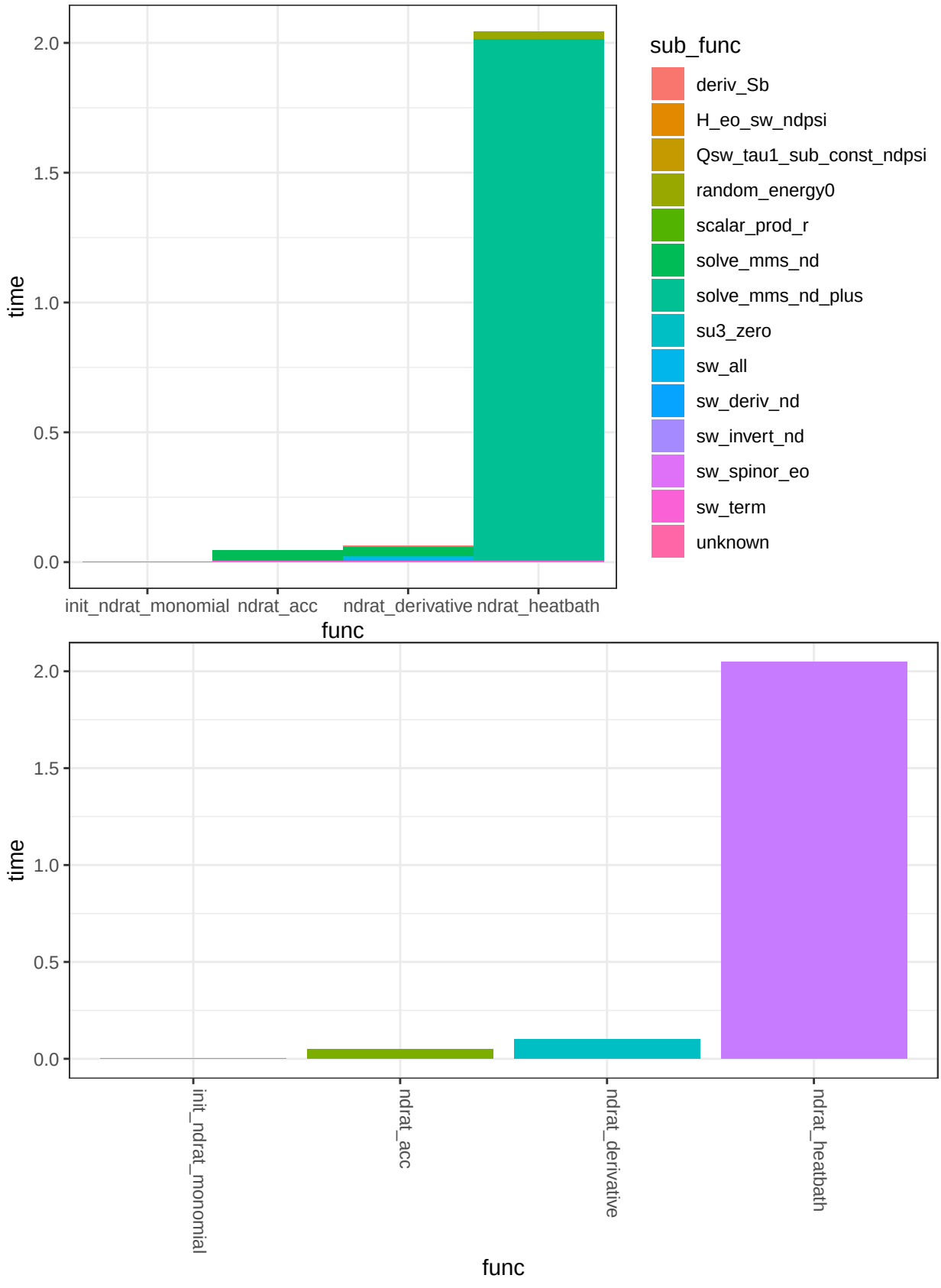
```
## Warning: Removed 1 rows containing missing values (position_stack).
## Warning: Removed 2 rows containing missing values (position_stack).
## Warning: Removed 3 rows containing missing values (position_stack).
```





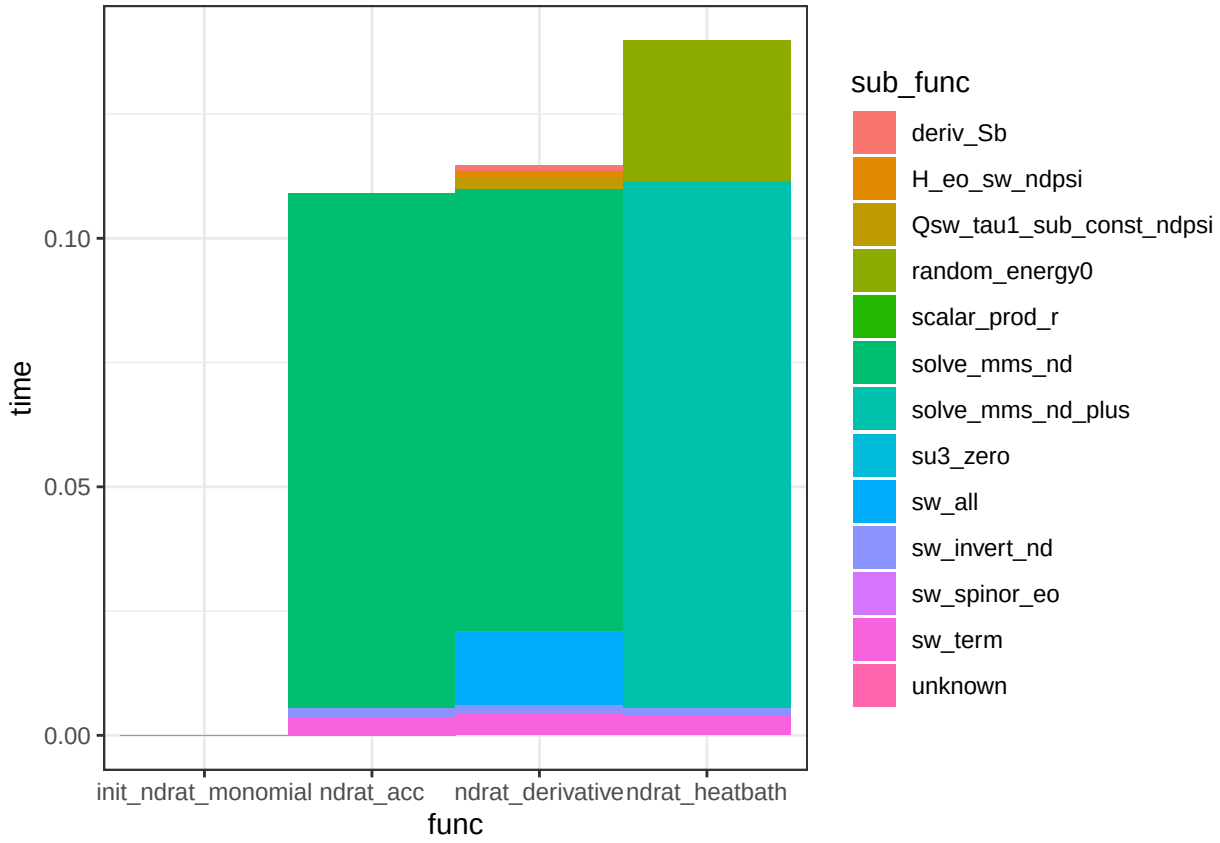
ndcloverrat_0_3

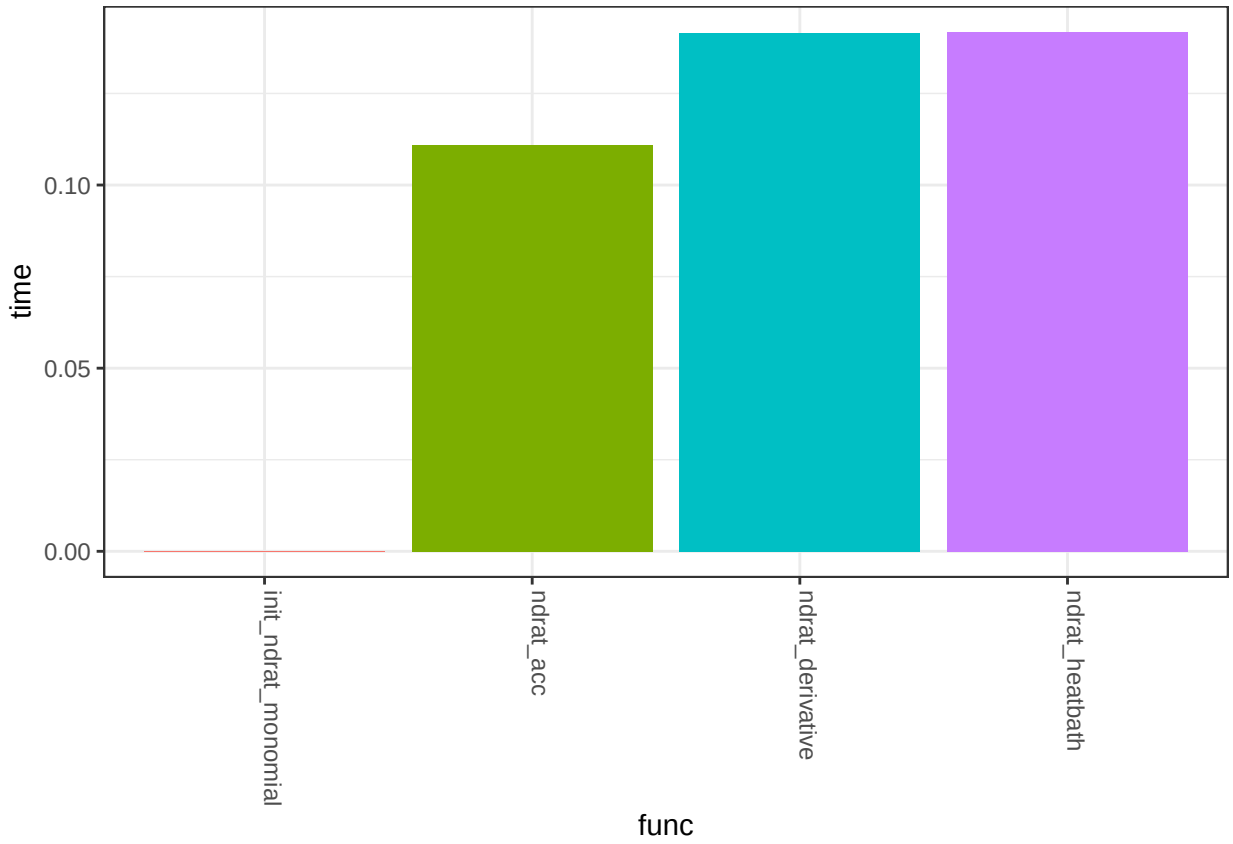
```
## Warning: Removed 1 rows containing missing values (position_stack).
## Warning: Removed 2 rows containing missing values (position_stack).
## Warning: Removed 3 rows containing missing values (position_stack).
## Warning: Removed 3 rows containing missing values (position_stack).
```


sub_func
deriv_Sb
H_eo_sw_ndpsi
Qsw_tau1_sub_const_ndpsi
random_energy0
scalar_prod_r
solve_mms_nd
solve_mms_nd_plus
su3_zero
sw_all
sw_deriv_nd
sw_invert_nd
sw_spinor_eo
sw_term
unknown
time
2.0
1.5
1.0
0.5
0.0
init_ndrat_monomial
ndrat_acc
ndrat_derivative
ndrat_heatbath
func
time
2.0
1.5
1.0
0.5
0.0
init_ndrat_monomial
ndrat_acc
ndrat_derivative
ndrat_heatbath
func

ndcloverrat_4_6

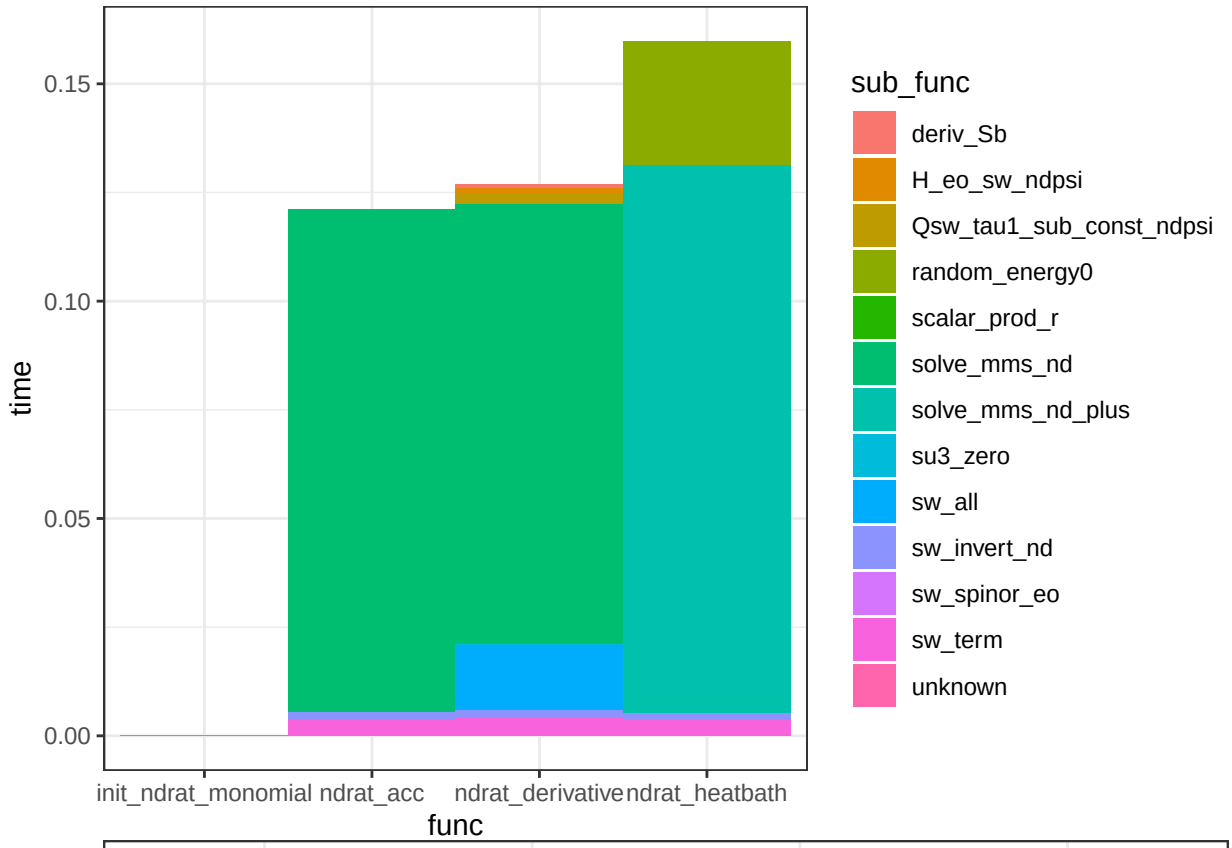
```
## Warning: Removed 1 rows containing missing values (position_stack).
## Warning: Removed 2 rows containing missing values (position_stack).
## Warning: Removed 3 rows containing missing values (position_stack).
## Warning: Removed 3 rows containing missing values (position_stack).
```

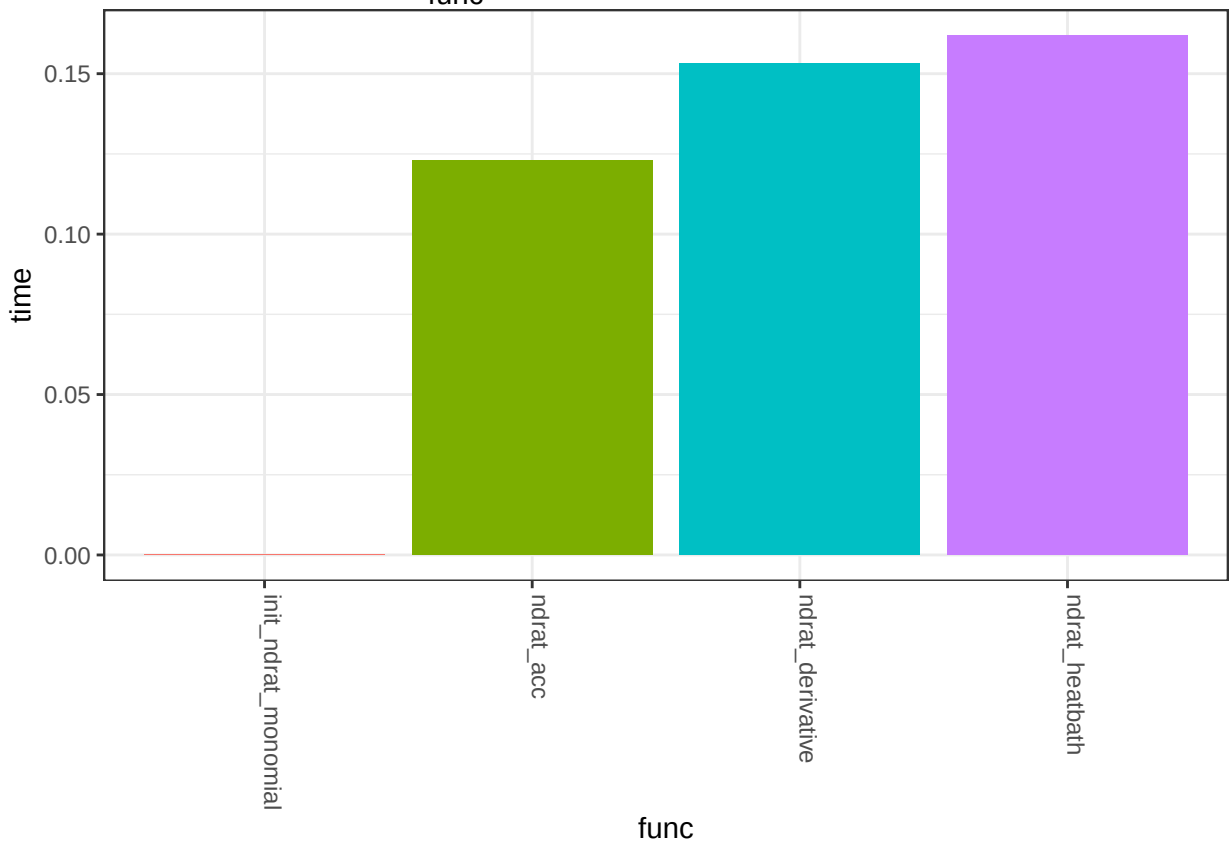




ndcloverrat_7_9

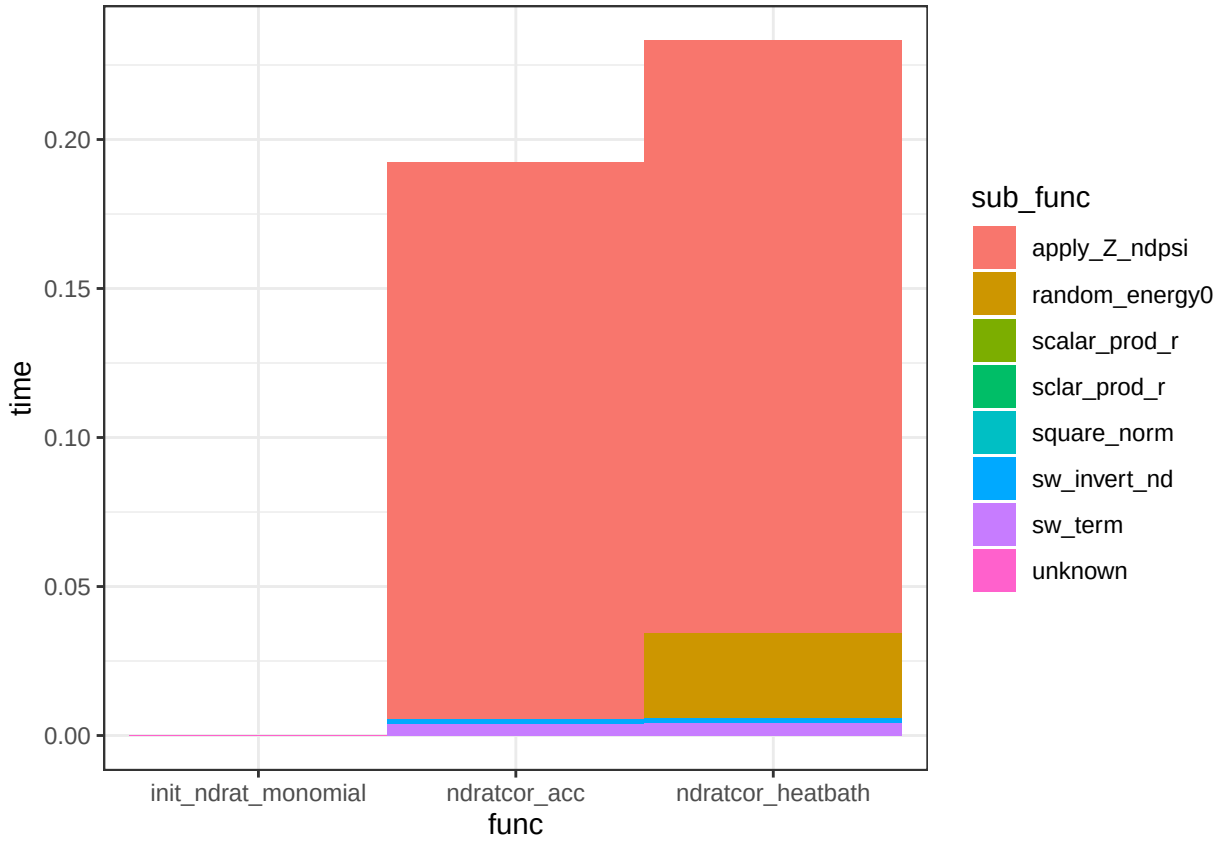
```
## Warning: Removed 1 rows containing missing values (position_stack).
## Warning: Removed 2 rows containing missing values (position_stack).
## Warning: Removed 3 rows containing missing values (position_stack).
## Warning: Removed 3 rows containing missing values (position_stack).
```

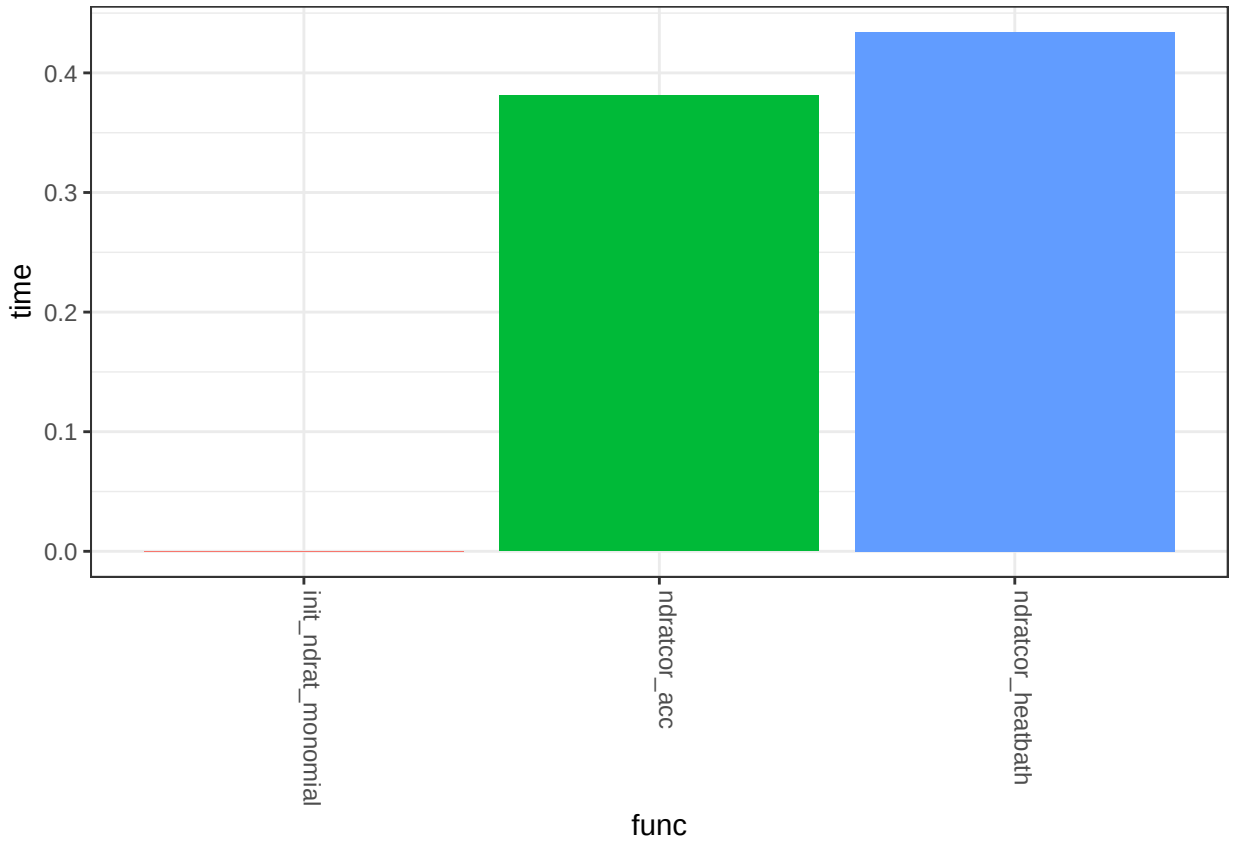

0.15
0.10
0.05
0.00
time
init_ndrat_monomial
ndrat_acc
ndrat_derivative
ndrat_heatbath
func
sub_func
deriv_Sb
H_eo_sw_ndpsi
Qsw_tau1_sub_const_ndpsi
random_energy0
scalar_prod_r
solve_mms_nd
solve_mms_nd_plus
su3_zero
sw_all
sw_invert_nd
sw_spinor_eo
sw_term
unknown


0.15
0.10
0.05
0.00
time
init_ndrat_monomial
ndrat_acc
ndrat_derivative
ndrat_heatbath
func

ndcloverratcor

```
## Warning: Removed 1 rows containing missing values (position_stack).
## Warning: Removed 2 rows containing missing values (position_stack).
## Warning: Removed 2 rows containing missing values (position_stack).
```




time
0.4
0.3
0.2
0.1
0.0
init_ndrat_monomial
ndratcor_acc
ndratcor_heatbath
func