

event-correlation^{11,40}

DIR: ecl_object_directory

STM: ecl_subtype

ABS: ecl_halt($ds;da;x$) **ecl-halt**

STM: ecl_halt_wf

STM: ecl_halt_nil

STM: ecl_halt_unique

ABS: ecl_halt_kind(x) **ecl-halt-kind**

STM: ecl_halt_kind_wf

STM: ecl_halt_kind_last

ABS: ecl_halt_type($da;x$) **ecl-halt-type**

STM: ecl_halt_type_wf

STM: ecl_halt_type_last

ABS: ecl_act($ds;da;m;x$) **ecl-act**

STM: ecl_act_wf

STM: ecl_act_halt

STM: ecl_act_nil

ABS: ecl_trans_tuple $\{i:l\}$ ($ds;da$) **ecl-trans-tuple**

STM: ecl_trans_tuple_wf

ABS: ecl_trans_type(A) **ecl-trans-type**

STM: ecl_trans_type_wf

ABS: ecl_trans_state_from($v;z;L$) **ecl-trans-state-from**

STM: ecl_trans_state_from_wf

ABS: ecl_trans_init(v) **ecl-trans-init**

STM: ecl_trans_init_wf

ABS: ecl_trans_h(v) **ecl-trans-h**

STM: ecl-trans-h_wf
 ABS: ecl-trans-ks(v) **ecl-trans-ks**
 STM: ecl-trans-ks_wf
 ABS: ecl-trans-a(v) **ecl-trans-a**
 STM: ecl-trans-a_wf
 ABS: ecl-trans-state($v;L$) **ecl-trans-state**
 STM: ecl-trans-state_wf
 ABS: ecl-trans-es(v) **ecl-trans-es**
 STM: ecl-trans-es_wf
 STM: ecl-trans-state-from-append
 STM: ecl-trans-state-append
 ABS: ecl-trans-reachable($ds;da;v;L;x$) **ecl-trans-reachable**
 STM: ecl-trans-reachable_wf
 ABS: ecl-trans-normal(x) **ecl-trans-normal**
 STM: ecl-trans-normal_wf
 ABS: combine-ecl-tuples($A;B;f;g$) **combine-ecl-tuples**
 STM: combine-ecl-tuples_wf
 ABS: combine-halt-info($ea;eb;f;g;x$) **combine-halt-info**
 STM: combine-halt-info_wf
 ABS: combine-ecl-tuples2($A;B;f;g$) **combine-ecl-tuples2**
 STM: combine-ecl-tuples2_wf
 STM: combine-ecl-trans-state0
 STM: combine-ecl-trans-state1
 STM: ecl-normal-combine
 STM: ecl-normal-combine2
 ABS: reset-ecl-tuple(A) **reset-ecl-tuple**
 STM: reset-ecl-tuple_wf

ABS: $\text{add-ecl-act}(A;m)$ **add-ecl-act**
 STM: add-ecl-act_wf
 ABS: $\text{ecl-base-tuple}(k;test)$ **ecl-base-tuple**
 STM: ecl-base-tuple_wf
 ABS: $\text{ecl-add-throw}(A;m)$ **ecl-add-throw**
 STM: ecl-add-throw_wf
 ABS: $\text{ecl-add-catch}(A;l)$ **ecl-add-catch**
 STM: ecl-add-catch_wf
 ABS: $\text{ecl-kinds}(x)$ **ecl-kinds**
 STM: ecl-kinds_wf
 ABS: $\text{ecl-trans}(x)$ **ecl-trans**
 STM: ecl-trans_wf
 STM: $\text{ecl-kinds-ecl-trans}$
 ABS: $\text{ecl-trans-halt2}(ds;da;A)$ **ecl-trans-halt2**
 STM: $\text{ecl-trans-halt2_wf}$
 STM: $\text{ecl-trans-halt2-bound}$
 STM: $\text{combine-ecl-trans-state2}$
 ABS: $\text{ecl-trans-act}(ds;da;A)$ **ecl-trans-act**
 STM: ecl-trans-act_wf
 STM: $\text{ecl-trans-act-last}$
 STM: ecl-trans-act-nil
 STM: $\text{ecl-trans-act_functionality}$
 STM: $\text{ecl-trans-act-functionality2}$
 STM: ecl-reset-lemma
 STM: ecl-reset-state
 STM: ecl-reset-init
 STM: ecl-reset-halt

STM: ecl-trans-halt2-add-catch
 STM: ecl-trans-halt2-add-throw
 STM: ecl-trans-property
 ABS: ecl-max(x) **ecl-max**
 STM: ecl-max_wf
 ABS: ecl-ex(x) **ecl-ex**
 STM: ecl-ex_wf
 STM: ecl-halt-ex
 ABS: ecl-es-halt($es;x$) **ecl-es-halt**
 STM: ecl-es-halt_wf
 STM: ecl-es-halt-ecl-halt
 ABS: ecl-es-act($es;m;x$) **ecl-es-act**
 STM: ecl-es-act_wf
 STM: ecl-es-act-ecl-act
 STM: decidable__ecl-es-act
 STM: decidable__ecl-es-halt
 ABS: action[[a n]][$e_1;e_2$] **es-bact**
 STM: es-bact_wf
 STM: assert-es-bact
 ABS: msg-item($ds;da;k;l$) **msg-item**
 STM: msg-item_wf
 ABS: msg-spec($ds;da$) **msg-spec**
 STM: msg-spec_wf
 ABS: msg-spec-links(snd) **msg-spec-links**
 STM: msg-spec-links_wf
 ABS: msg-spec-loc($snd;i$) **msg-spec-loc**
 STM: msg-spec-loc_wf

ABS: $\text{msg-spec-loc-decl}(snd;i;da)$ **msg-spec-loc-decl**
 STM: $\text{msg-spec-loc-decl_wf}$
 STM: $\text{msg-spec-loc-decl-implies}$
 ABS: k sends on l with tag tg $[s,v.f(s;v)]$, at marker n **msg-spec1**
 STM: msg-spec1_wf
 ABS: $a \oplus b$ **msg-spec-join**
 STM: msg-spec-join_wf
 STM: $\text{msg-spec-links-spec1}$
 STM: $\text{msg-spec-loc-spec1}$
 STM: $\text{msg-spec-loc-decl-spec1}$
 STM: $\text{msg-spec-loc-empty}$
 STM: $\text{msg-spec-loc-decl-join}$
 ABS: $\text{ecl-tags}(l;snd)$ **ecl-tags**
 STM: ecl-tags_wf
 STM: member-ecl-tags
 STM: $\text{no_repeats-ecl-tags}$
 STM: ecl-tags-spec1
 ABS: $\text{update-spec}(ds;da)$ **update-spec**
 STM: update-spec_wf
 ABS: $\text{update-spec-vars}(upd)$ **update-spec-vars**
 STM: $\text{update-spec-vars_wf}$
 ABS: $\text{update-spec-dom}(upd;k;x)$ **update-spec-dom**
 STM: $\text{update-spec-dom_wf}$
 ABS: $\text{update-spec-decl}(upd;ds)$ **update-spec-decl**
 STM: $\text{update-spec-decl_wf}$
 ABS: $\text{update-spec1}(k;x;n;s,v.f(s;v))$ **update-spec1**
 STM: update-spec1_wf

STM: update-spec1_wf2
 ABS: $a \oplus b$ **update-spec-join**
 STM: update-spec-join_wf
 STM: update-spec-join-vars
 STM: update-spec-join-decl
 STM: update-spec1-decl
 STM: update-spec-empty-decl
 ABS: $@i[[x;snd]]$ **ecl-mng-sends**
 STM: ecl-mng-sends_wf
 STM: ecl-mng-sends-single
 ABS: $@i[[x;upd]]$ **ecl-mng-update**
 STM: ecl-mng-update_wf
 ABS: $@i[[x;snd;upd]]$ **ecl-mng**
 STM: ecl-mng_wf
 ABS: $\text{ecl-machine1}\{\text{\$ecl:ut2}\}(i; ds; da; A)$ **ecl-machine1**
 STM: ecl-machine1_wf
 STM: ecl-machine1-realizes
 ABS: $\text{ecl-machine2}(i; ds; da; x; T; ks; a; upd)$ **ecl-machine2**
 STM: ecl-machine2_wf
 STM: ecl-machine2-realizes
 STM: ecl-machine2-loc
 ABS: $\text{ecl-m3}(a; snd; x; l)$ **ecl-m3**
 STM: ecl-m3_wf
 ABS: $\text{ecl-machine3}(ds; da; x; T; ks; a; snd)$ **ecl-machine3**
 STM: ecl-machine3_wf
 STM: ecl-machine3-realizes
 STM: ecl-machine3-loc

ABS: esp-machine at i with state $\$ecl$

A

state variables ds

actions da

sends snd

updates upd

ecl-machine

STM: ecl-machine_wf

STM: ecl-2-3-compat

STM: ecl-1-2-compat

STM: ecl-1-3-compat

STM: ecl-realizes

STM: ecl-feasible

STM: ecl-machine-loc

STM: ecl-machine-R-da

STM: ecl-machine-R-da-dom

STM: ecl-machine-icompat

STM: ecl-disjoint-compatible

STM: ecl-precond-compatible

STM: ecl-effect-compatible

STM: es-sends-iff-bact

STM: ecl-mng-sends-single2

STM: duplicate-and

STM: ecl-es-halt-example1

http://www.nuprl.org/FDLcontent/p0_963683_/p101_41830_{event-correlation}.html