

randomness^{11,40}

STM: free-from-atom-rational

ABS: FinProbSpace **finite-prob-space**

STM: finite-prob-space_wf

STM: fps-not-null

ABS: *1* **unit-fps**

STM: unit-fps_wf

ABS: *50/50* **binary-fps**

STM: binary-fps_wf

ABS: *1/3* **ternary-fps**

STM: ternary-fps_wf

ABS: Outcome **p-outcome**

STM: p-outcome_wf

STM: natural_number_wf_p-outcome

STM: decidable__p-outcome

ABS: weighted-sum($p; F$) **weighted-sum**

STM: weighted-sum_wf

ABS: ws_nil{ws_nil_compseq_tag_def:ObjectId}(F) **ws_nil_compseq_tag_def**

ABS: ws_single{ws_single_compseq_tag_def:ObjectId}($F; p$) **ws_single_compseq_tag_def**

STM: weighted-sum-nil

STM: weighted-sum-split

STM: weighted-sum-linear

STM: ws-monotone

STM: weighted-sum_wf2

STM: ws-linear

STM: ws-constant

STM: ws-lower-bound
 ABS: null **null-seq**
 STM: null-seq_wf
 ABS: cons-seq($x;s$) **cons-seq**
 STM: cons-seq_wf
 ABS: RandomVariable($p;n$) **random-variable**
 STM: random-variable_wf
 ABS: $X + Y$ **rv-add**
 STM: rv-add_wf
 ABS: $q * X$ **rv-scale**
 STM: rv-scale_wf
 ABS: $X * Y$ **rv-mul**
 STM: rv-mul_wf
 ABS: rv-shift($x;X$) **rv-shift**
 STM: rv-shift_wf
 STM: rv-shift-linear
 ABS: $X@i$ **rv-sample**
 STM: rv-sample_wf
 ABS: $A \leq B$ **rv-qle**
 STM: rv-qle_wf
 ABS: a **rv-const**
 STM: rv-const_wf
 ABS: $E(n;F)$ **expectation**
 STM: expectation_wf
 STM: expectation-linear
 STM: expectation-constant
 STM: expectation-rv-const

STM: expectation-rv-add
 STM: expectation-rv-scale
 STM: expectation-qsum
 STM: expectation-rv-sample
 ABS: $\text{rv-disjoint}(p;n;X;Y)$ **rv-disjoint**
 STM: rv-disjoint_wf
 STM: rv-disjoint-rv-shift
 STM: rv-disjoint-rv-add
 STM: rv-disjoint-symmetry
 STM: rv-disjoint-rv-add2
 STM: rv-disjoint-rv-mul
 STM: rv-disjoint-rv-mul2
 STM: rv-disjoint-const
 STM: rv-disjoint-monotone-in-first
 ABS: $(x.F(x)) \circ X$ **rv-compose**
 STM: rv-compose_wf
 STM: rv-disjoint-compose
 STM: rv-disjoint-rv-scale
 STM: rv-disjoint-shift
 STM: expectation-rv-disjoint
 STM: expectation-rv-add-squared
 STM: expectation-rv-add-cubed
 STM: expectation-rv-add-fourth
 ABS: $X \leq Y$ **rv-le**
 STM: rv-le_wf
 STM: expectation-monotone
 STM: Markov-inequality

STM: expectation-imax-list
 STM: expectation-non-neg
 ABS: $p\text{-open}(p)$ **p-open**
 STM: p-open_wf
 ABS: $s \in C$ **p-open-member**
 STM: p-open-member_wf
 ABS: $\text{measure}(C) \leq q$ **p-measure-le**
 STM: p-measure-le_wf
 STM: open-expectation-monotone
 ABS: $\text{measure}(C) = 1$ **p-open-measure-one**
 STM: p-open-measure-one_wf
 STM: expectation-monotone-in-first
 ABS: $p\text{-union}(A;B)$ **p-union**
 STM: p-union_wf
 STM: member-p-union
 ABS: $\text{countable-p-union}(i.A(i))$ **countable-p-union**
 STM: countable-p-union_wf
 STM: member-countable-p-union
 ABS: $\text{nullset}(p;S)$ **nullset**
 STM: nullset_wf
 ABS: $\text{Konig}(k)$ **Konig**
 STM: Konig_wf
 STM: not-nullset
 STM: nullset-union
 STM: nullset-monotone
 ABS: $(X(n) \rightarrow \infty \text{ as } n \rightarrow \infty)$ **rv-unbounded**
 STM: rv-unbounded_wf

STM: bounded-expectation

ABS: $\text{rv-identically-distributed}(p;n.f(n);i.X(i))$ **rv-identically-distributed**

STM: $\text{rv-identically-distributed_wf}$

ABS: $\text{rv-iid}(p;n.f(n);i.X(i))$ **rv-iid**

STM: rv-iid_wf

STM: rv-iid-add

STM: rv-iid-add-const

ABS: $\text{rv-partial-sum}(n;i.X(i))$ **rv-partial-sum**

STM: rv-partial-sum_wf

STM: $\text{rv-partial-sum-unroll}$

STM: $\text{rv-disjoint-rv-partial-sum}$

STM: $\text{rv-partial-sum-monotone}$

STM: slln-lemma1

STM: slln-lemma2

STM: slln-lemma3

STM: slln-lemma4

STM: $\text{strong-law-of-large-numbers}$

ABS: $\text{random}(p;a;b)$ **random**

STM: random_wf

ABS: $\text{find-random}\{k\}(C;p;a;b)$ **find-random**

STM: find-random_wf

STM: randomness