0
w
w
w
clocks
Clock
Val-
u-
a-
tions.
clocks
clock
val-
u-
a-
tion
$\nu : \longrightarrow$
$[0, \infty)$
ν
$X \subseteq$
t
νX
$\nu X(x) =$
0
$x \in$
X
$\nu X(x) =$
$\nu(x)$
νt
$(\nu t)(x) =$
$\nu(x) +$
t
$x \in$
$(x) =$
0
$x \in$
Clock
Con-
straints.
clock
con-
straints

$\phi := \ \mid x \leq d \mid c \leq x \mid x+c \leq y+d \mid \neg\phi \mid \phi \wedge \phi$

$x, y \in$
$c, d \in_0$
$\neg$
$\models$
ν
ϕ
$x \in$
ϕ
$\nu(x)$
ϕ
ϕ
ϕ
Clock
Equiv-
a-
lence.
N
N
N
$\sim_N$
ν, ν'
$\nu' \sim_N$
ν'
$x \in$
$\nu(x) >$
N
$\nu'(x) >$
N
$x \in$
$\nu(x) \leq$
N
$\nu(x) =$
$\nu'(x)$
$\nu(x) >$
0
$\nu'(x) >$
0
$x, y \in$
$\nu(x), \nu(y) \leq$
N
$\nu(x)\nu(y)$
$\nu'(x)\nu'(y)$
$\in$
$\{ \leq$
$, =$
$, > $
$\}$
$\sim_N$
re-
gions
V
$\sim$
Discrete
Prob-
a-
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ity
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