Scale Dependence of Branching in Arterial and Bronchial Trees

r . r , [1,2,*] E v r , [1,3] r . , [2,4]

[1] *I , . e f. Re ea ch E ec . c , a d A ed Ph. c , U e , . f Ma . a d, C. ege Pa , Ma . a d 20742, USA*

[2] *De a e . f Ma he a c , U e , . f Ma . a d, C. ege Pa , Ma . a d 20742, USA*

[3] *De a e . f Ph. c , a d De a e . f E ec ca a d C. e E g ee g, U e , . f Ma . a d, C. ege Pa , Ma . a d 20742, USA*

[4] *I , . e f. Ph. ca Sc e ce a d Tech . g., U e , . f Ma . a d, C. ege Pa , Ma . a d 20742, USA*

(2 r 2005, 2 r 2006)

f r r f r r r f r f r
r r f f r , r r f r
v . r r f f r r r f r v r r
f ff r f f , r f r r r
f , , , v r v r . r
r , r r , , , ,
f r , r r , ff r .

10.1103/ . 6.12 101 , r . .1 . r, .1 .T , .1 .

T f r r , r r -
f r r r r f
r . ,
f r r r r r-
r] , v f r , r
r (1 3). , , , r r
r r f v r
f , , , v r] f
r (, f r , 1 6). f v ,
, (r r r f , r
v r f r) , f- r
r , r , , . ., r , r r
. v r, r , 1]
, , f v , ,
r r r r r ,
r r (f r f
, v). r f
r r , , v r r
r , r f f
r r , r r v r f r
. , f f r r r
r r ,] v r r
f f r r r ,
, r r r f r , r , r r . v
, f r f f r-

$x = 3$.

$x = 3$.