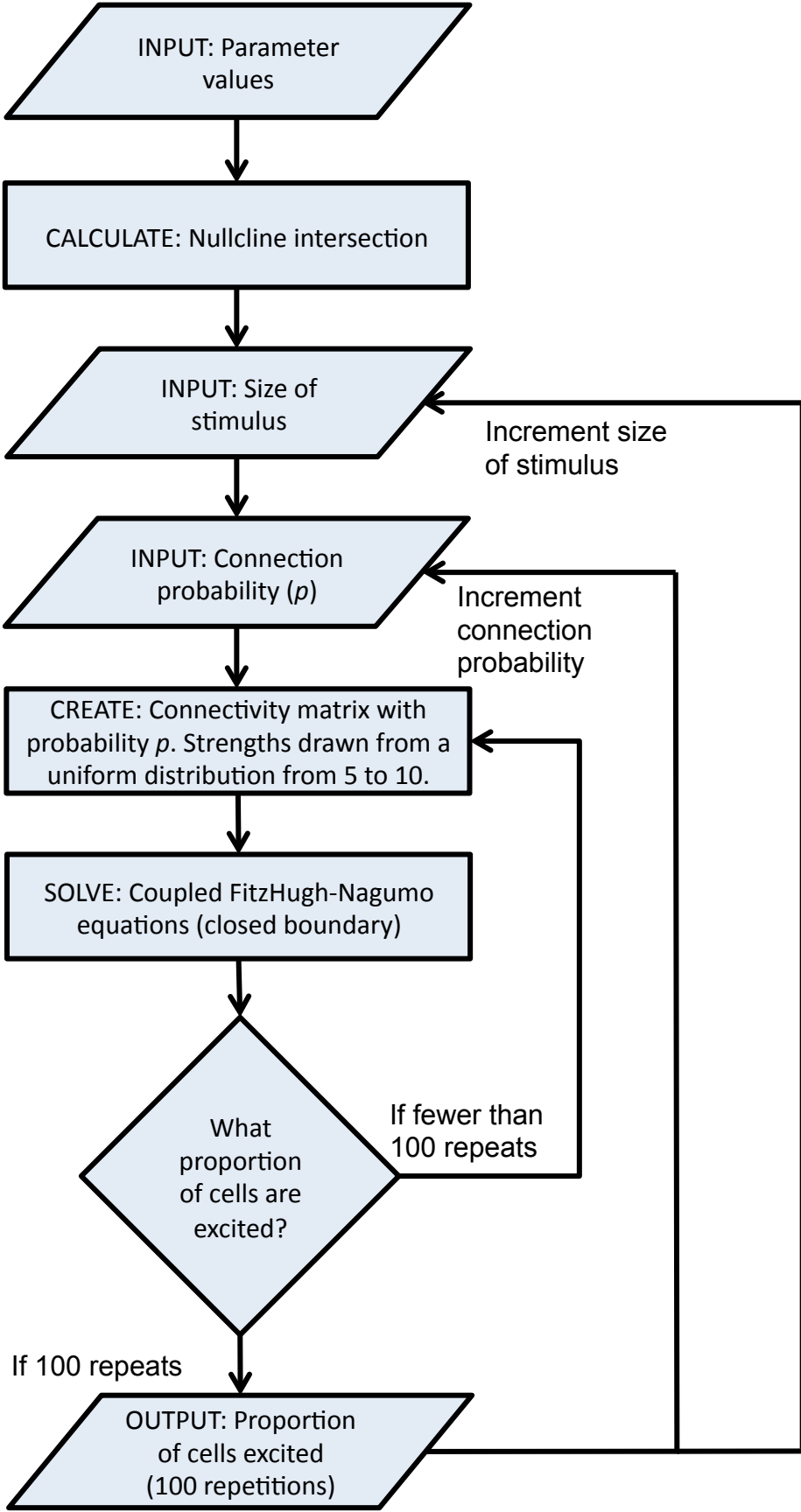
INPUT: Parameter values
CALCULATE: Nullcline intersection
INPUT: Size of stimulus
Increment size of stimulus
INPUT: Connection probability (p)
Increment connection probability
CREATE: Connectivity matrix with probability p. Strengths drawn from a uniform distribution from 5 to 10.
SOLVE: Coupled FitzHugh-Nagumo equations (closed boundary)
What proportion of cells are excited?
If fewer than 100 repeats
If 100 repeats
OUTPUT: Proportion of cells excited (100 repetitions)