Cell-to-cell flow routing

Grid cell

Cell computed as stable in a random ellipsoid

Cell computed as unstable in a random ellipsoid

Water amount

Random ellipsoid

FS<1

FS>1

PF_{FS>1} ++

PF_{FS<1} ++

(a) Failure probability

(b) Minimum FS

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Water amount

Cell computed as stable in a random ellipsoid

Cell computed as unstable in a random ellipsoid

Grid cell

Random ellipsoid