# -\*- coding: utf-8 -\*-

"""

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"""

import numpy as np

#function to compute flux in the extrem flux point (riemann)

#waiting for having the right function, this function only average two flux point

#entries : array\_left,array\_right

def IP\_continuity\_u(flux\_left,flux\_right) :

flux = (flux\_left+flux\_right)/2 ;

return (flux)

def IP\_continuity\_s(grad\_left\_u,grad\_right\_u,flux\_left\_u,flux\_right\_u,eta) :

flux = (grad\_left\_u+grad\_right\_u)/2 -eta\*(flux\_left\_u-flux\_right\_u);

return (flux)