

Q-criterion [ms^{-2}]

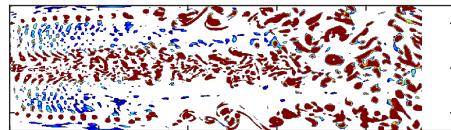
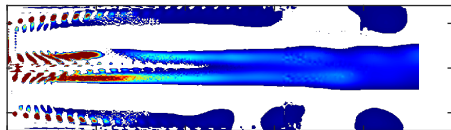
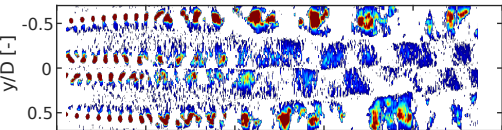
0 1 2 3 4 5



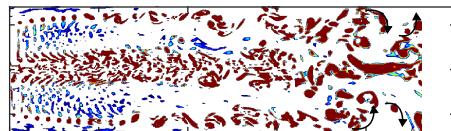
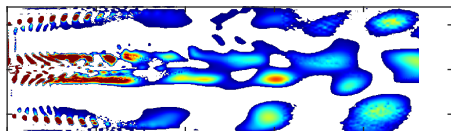
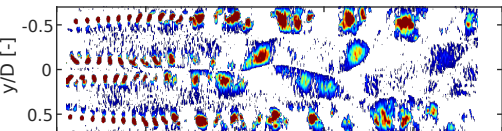
FVW

ALM URANS UNIFI

ALM LES UNIFI



Fixed-bottom



$f_r = 0.6$

0

1

2

3

4

$x/D [-]$

0

1

2

3

4

$x/D [-]$

0

1

2

3

4

$x/D [-]$