Turbulent calculations

Steady calculations

(a)

1e7

PSD of M_Y^{BR} (kNm^2Hz^{-1})

QBlade 0° yaw

QBlade 8° yaw

OpenFAST 0° yaw

OpenFAST 8° yaw

(b)

1e7

QB 0° yaw, shear

QB 8° yaw, no shear

OF 0° yaw, shear

OF 8° yaw, no shear

(c)

1e8

PSD of M_Y^{BR} (kNm^2Hz^{-1})

(d)

1e8

(e)

1e9

PSD of M_Y^{BR} (kNm^2Hz^{-1})

Norm. freq. (-)

(f)

1e9

Norm. freq. (-)