

#### 4.1.1.3 Component 3 : An exactly periodic function with a period of 4.3 years but with linearly increasing amplitude

No discrepancies between the prior and posterior of this component have been detected

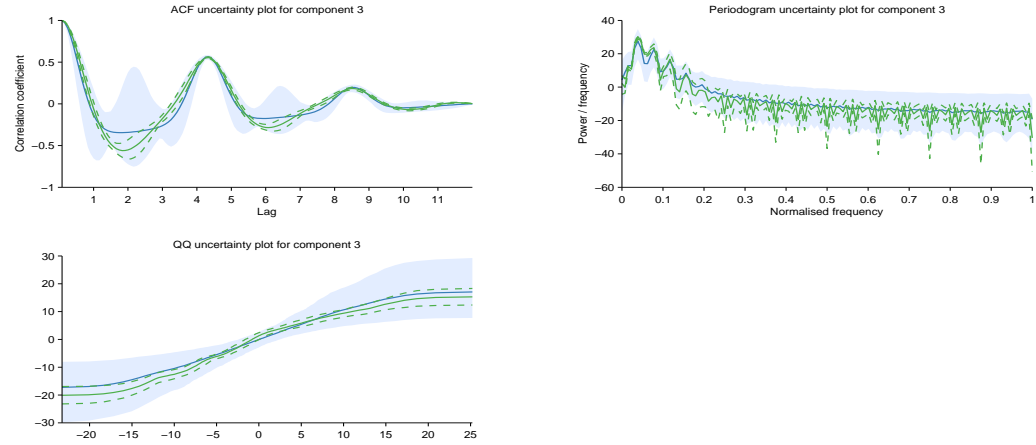


Figure 16: ACF (top left), periodogram (top right) and quantile-quantile (bottom left) uncertainty plots. The blue line and shading are the pointwise mean and 90% confidence interval of the plots under the prior distribution for component 3. The green line and green dashed lines are the corresponding quantities under the posterior.

#### 4.1.1.4 Component 4 : Uncorrelated noise with linearly increasing standard deviation

No discrepancies between the prior and posterior of this component have been detected

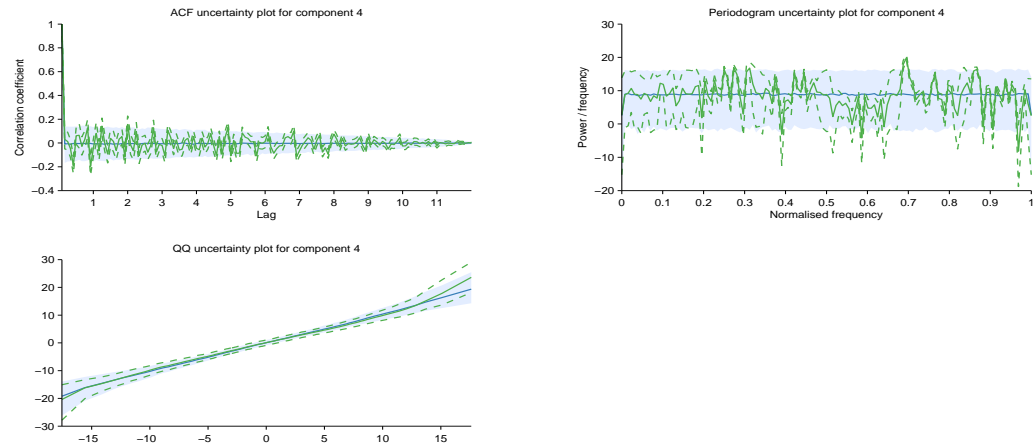


Figure 17: ACF (top left), periodogram (top right) and quantile-quantile (bottom left) uncertainty plots. The blue line and shading are the pointwise mean and 90% confidence interval of the plots under the prior distribution for component 4. The green line and green dashed lines are the corresponding quantities under the posterior.