1 70 60 1

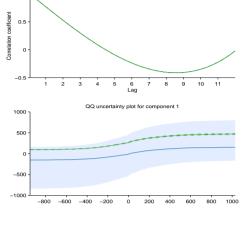
Model checking plots for components without statistically significant discrepancies

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

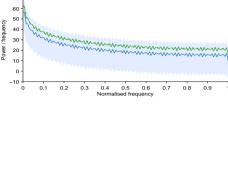
Component 1: A linearly increasing function

4.1

ACF uncertainty plot for component 1 Periodogram uncertainty plot for component



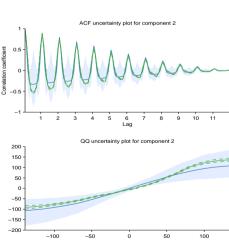
sponding quantities under the posterior.



4.1.2 Component 2: An approximately periodic function with a period of 1.0 years and with linearly increasing amplitude

Figure 14: 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 1. The green line and green dashed lines are the corre-

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



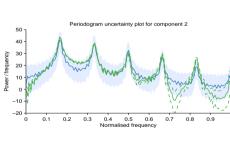


Figure 15: ACF (top left), periodogram (top right) and quantile-quantile (bottom left) uncertainty plots. The blue line and shading are the pointwise mean and 90% confidence interval of the plots under the prior distribution for component 2. The green line and green dashed lines are the corresponding quantities under the posterior.

4.1.3 Component 3 : A smooth function

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