

1 PROOFS

1.1 Proposition 3.9

PROOF SKETCH OF PROPOSITION 3.9. If only one cycle violates the residual constraint, then the components of the remaining data points with the same phase in the other cycles all satisfy the residual constraint. The seasonal repair generation takes the median of these residual components that satisfy the residual constraint, adds this to the seasonal and trend components which have the least influence from errors. This intuitively produces a repair that satisfies the residual constraint.

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