

A JOINT SPACE-TIME ENCODER FOR GEOGRAPHIC TIME-SERIES DATA



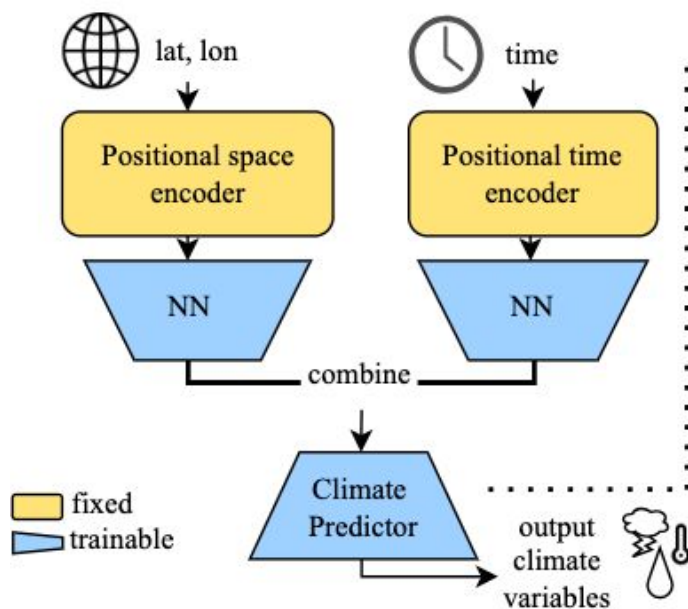
David Mickisch

Konstantin Klemmer

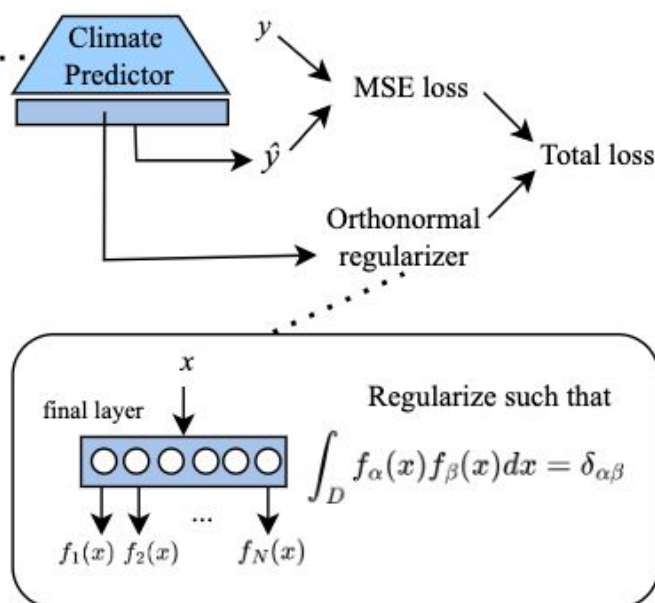
Mélanie Teng

David Rolnick

Architecture overview



Orthonormal regularizer



Positional time encoder

One of the following:

Direct



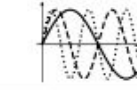
Monomial



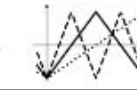
Legendre



Fourier



Sawtooth



Overview of the Space-Time Encoder Architecture with Orthonormal Regularization