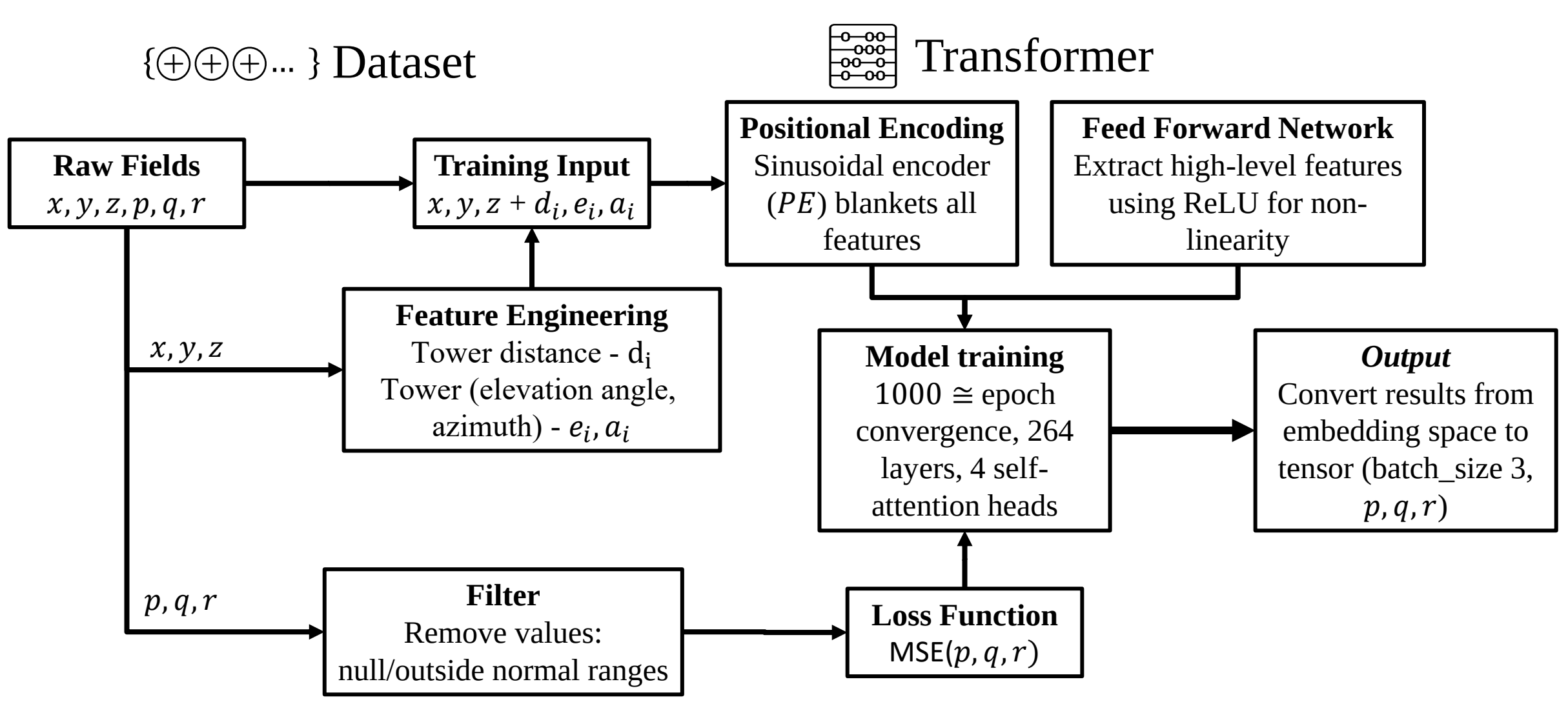
{⊕⊕⊕… } Dataset
Transformer
Raw Fields
x, y, z, p, q, r
Training Input
$x, y, z + d_i, e_i, a_i$
Positional Encoding
Sinusoidal encoder (PE) blankets all features
Feed Forward Network
Extract high-level features using ReLU for non-linearity
x, y, z
Feature Engineering
Tower distance - d_i
Tower (elevation angle, azimuth) - e_i, a_i
Model training
1000 ≅ epoch convergence, 264 layers, 4 self-attention heads
Output
Convert results from embedding space to tensor (batch_size 3, p, q, r)
p, q, r
Filter
Remove values: null/outside normal ranges
Loss Function
MSE(p, q, r)