

FAST FLOW RECONSTRUCTION FROM SPARSE DATA

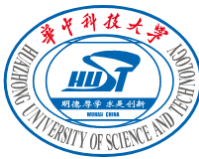
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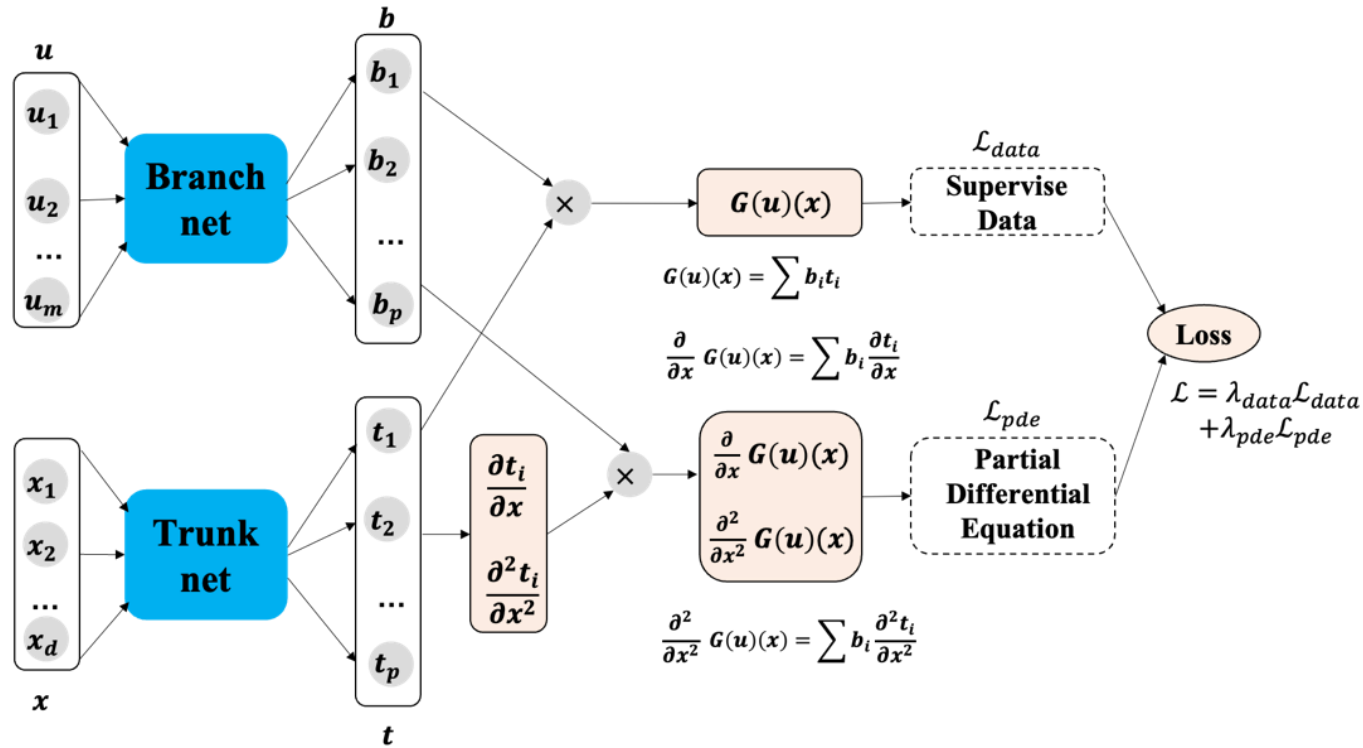
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□ Reusing gradient basis for multi-condition incompressible flow reconstruction



$$\frac{\partial}{\partial x} G(u)(x) = \sum \frac{\partial}{\partial x} (b_i t_i) = \sum b_i \boxed{\frac{\partial t_i}{\partial x}} \quad \text{Calculate Once \& Reuse (COR)}$$

b : different Re, C_L , probe measurements, ...
 t : basis of field

Sparse Data $\rightarrow$ High Resolution Field

