



## OBJECTIVES

Donec non nisl a **arcu consequat** varius. Sed suscipit cursus luctus. Nulla sit amet elit augue. Curabitur scelerisque mollis dolor, quis blandit lorem condimentum at. Pellentesque sed nibh vel **dolor** sagittis semper.

1. Feugiat vitae elit
2. bibendum ante sed lacinia eros in
3. Curabitur scelerisque arcu consequat varius
4. Dapibus nulla id purus consectetur
5. Fringilla integer

## MATERIALS & METHODS

The following materials were required to complete the research:

- Curabitur pellentesque dignissim
- Eu facilisis est tempus quis
- Duis porta consequat lorem
- Eu facilisis est tempus quis

The following equations were used for statistical analysis:

$$\cos^3 \theta = \frac{1}{4} \cos \theta + \frac{3}{4} \cos 3\theta \quad (1)$$

$$E = mc^2 \quad (2)$$

Phasellus imperdiet, tortor vitae congue bibendum, felis enim sagittis lorem, et volutpat ante orci sagittis mi. Morbi rutrum laoreet semper. Morbi accumsan enim nec tortor consectetur non commodo nisi sollicitudin. Proin sollicitudin. Pellentesque eget orci eros. Fusce ultricies, tellus et pellentesque fringilla, ante massa luctus libero, quis tristique purus urna nec nibh.

## REFERENCES

- [1] J. M. Smith and A. B. Jones. *Book Title*. Publisher, 7th edition, 2012.
- [2] A. B. Jones and J. M. Smith. Article Title. *Journal title*, 13(52):123–456, March 2013.

## INTRODUCTION

Aliquam non lacus dolor, *a aliquam quam*. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nulla in nibh mauris. Donec vel ligula nisi, a lacinia arcu. Sed mi dui, malesuada vel consectetur et, egestas porta nisi. Sed eleifend pharetra dolor, et dapibus est vulputate eu. **Integer faucibus elementum felis vitae fringilla**. In hac habitasse platea dictumst. Duis tristique rutrum nisl, nec vulputate elit porta ut. Donec sodales sollicitudin turpis sed convallis. Etiam mauris ligula, blandit adipiscing condimentum eu, dapibus pellentesque risus.

## RESULTS 2

Donec faucibus purus at tortor egestas eu fermentum dolor facilisis. Maecenas tempor dui eu neque fringilla rutrum. Mauris *lobortis* nisl accumsan.

Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table 1: Table caption

Nulla ut porttitor enim. Suspendisse venenatis dui eget eros gravida tempor. Mauris feugiat elit et augue placerat ultrices. Morbi accumsan enim nec tortor consectetur non commodo.

Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table 2: Table caption

## FUTURE RESEARCH

Integer sed lectus vel mauris euismod suscipit. Praesent a est a est ultricies pellentesque. Donec tincidunt, nunc in feugiat varius, lectus lectus auctor lorem, egestas molestie risus erat ut nibh.

## PROPOSED FRAMEWORK

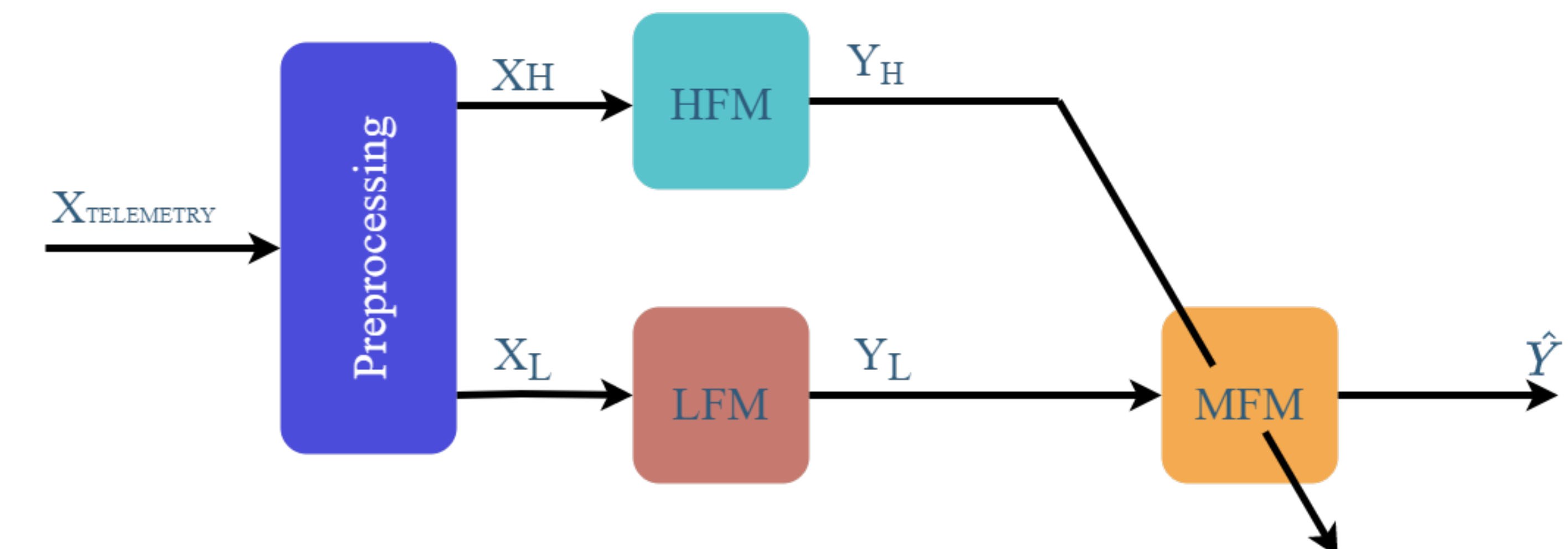
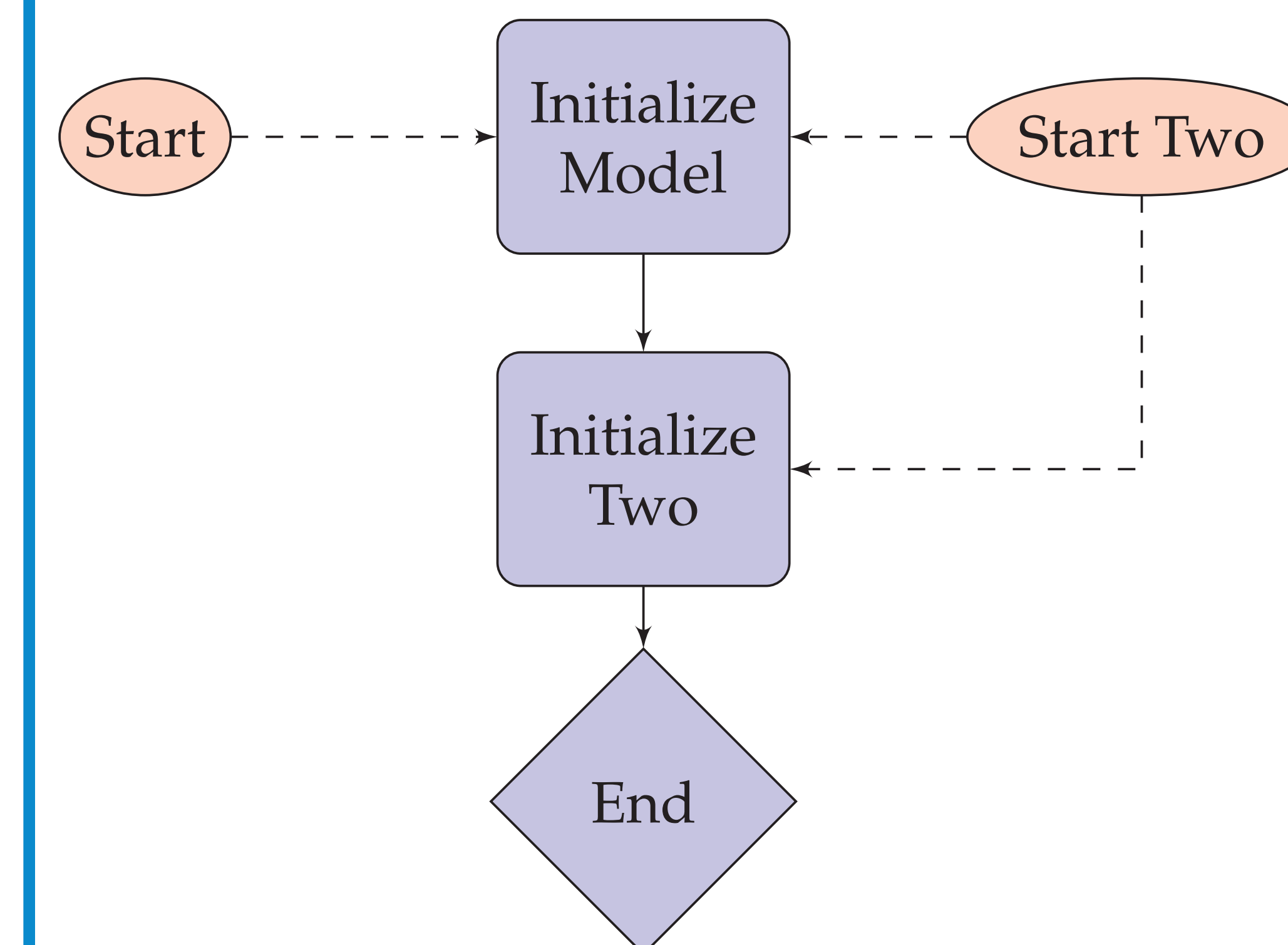


Figure 1: Proposed Framework

As illustrated in Fig.1, the current state  $X_t$  is fed as input to two separate systems. We distinguish between  $X_L$  and  $X_H$  because, since the LFM runs much faster than the HFM, we feed each input with a sequence with different sampling rates, with the rate of the LFM being much higher than the HFM's. Each system produces a surrogate model, particularly a high fidelity model and a low fidelity surrogate model, as two predictions for the next thermal state  $\hat{Y}$ . Subsequently, a meta predictor combines both predictions appropriately through a multifidelity scheme to produce a multifidelity surrogate model for  $X_{t+1}$ , which will follow the LFM's sampling rate.

## CONCLUSION



- Pellentesque eget orci eros. Fusce ultricies, tellus et pellentesque fringilla, ante massa luctus libero, quis tristique purus urna nec nibh. Phasellus fermentum rutrum elementum. Nam quis justo lectus.
- Vestibulum sem ante, hendrerit a gravida ac, blandit quis magna.
- Donec sem metus, facilisis at condimentum eget, vehicula ut massa. Morbi consequat, diam sed convallis tincidunt, arcu nunc.
- Nunc at convallis urna. isus ante. Pellentesque condimentum dui. Etiam sagittis purus non tellus tempor volutpat. Donec et dui non massa tristique adipiscing.

## CONTACT INFORMATION

**Web** [https://www.space.t.u-tokyo.ac.jp/nlab/index\\_e.html](https://www.space.t.u-tokyo.ac.jp/nlab/index_e.html)  
**Email** [akontaxoglou@g.ecc.u-tokyo.ac.jp](mailto:akontaxoglou@g.ecc.u-tokyo.ac.jp)