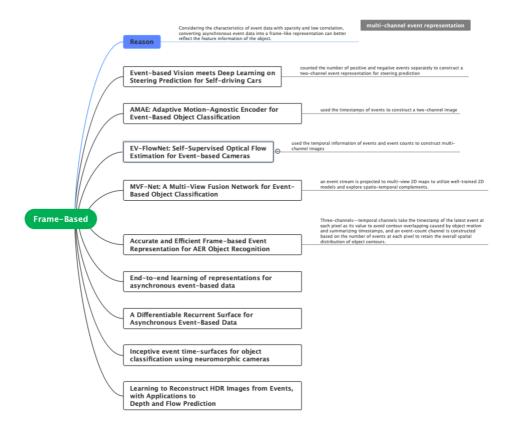
Things completed in the last week:

1. Organized the articles related to Frame-based event representation, and sorted out the mindmap (this is the first draft, and the follow-up supplements are in the research notes:



And made reading notes based on frame-based representation for each related article, here is the AMAE model as an example:

"AMAE: Adaptive Motion-Agnostic Encoder for Event-Based Object Classification" (Deng 等, 2020, p. 4596)

used the timestamps of events to construct a two-channel image, weighting recent events with higher value, and introduced an adaptive motion-agnostic encoder to accomplish the object classification task

这个面对的问题是 由于使用不同运动轨迹提取的 event 特征会有不同的语意特征,所以相同对象 也可能被分到不同类别中

"event signals are integrated into frame-based representations, specifically, timesensitive tensors (Tp), according to their timestamps for different polarities." (Deng 等, 2020, p. 4596) 根据不同极性的时间 戳, 事件信号被集成到基于帧的表示中,特别是时间敏感张量 (Tp)。

每个event 本身包含的信息量少,并且没有和 adjacent events 想关联

"Hence, we stress impacts from recent events by weighting recent events with high values." (Deng 等, 2020, p. 4598)

the weighting mechanism still corrupts original information of the event stream to a certain extent, which is not conducive to constructing complete and clear contours of the object — 缺点

- 2. Completed the writing of the Frame-based event representation part, and modified it based on Xu Zheng's comments, and added the frame-based content to the table in the event representation part.
- 3. Organized the papers related to stream-based event representation, but haven't read them completely yet and haven't sorted out the mindmap.
- 4. In terms of VI-ReID, I have read and researched the papers and models of MITML, UCDIR and OTLA, and now I have a basic understanding of the adversary network.

Plan for next week:

- 1. Complete the paper writing of the stream-based part.
- 2. Read and revise the whole event survey.
- 3. In terms of VI-ReID, try to build the model part of our proposed adversary network.