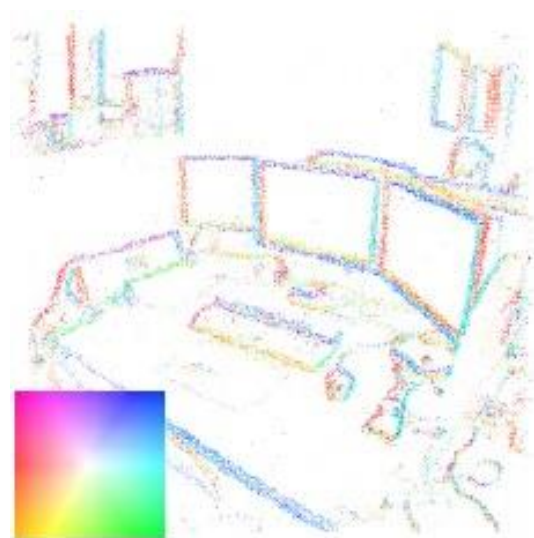
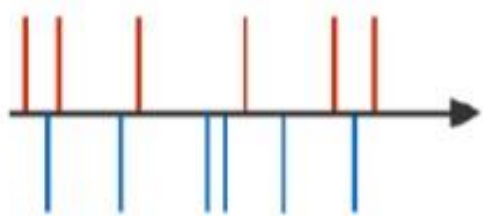
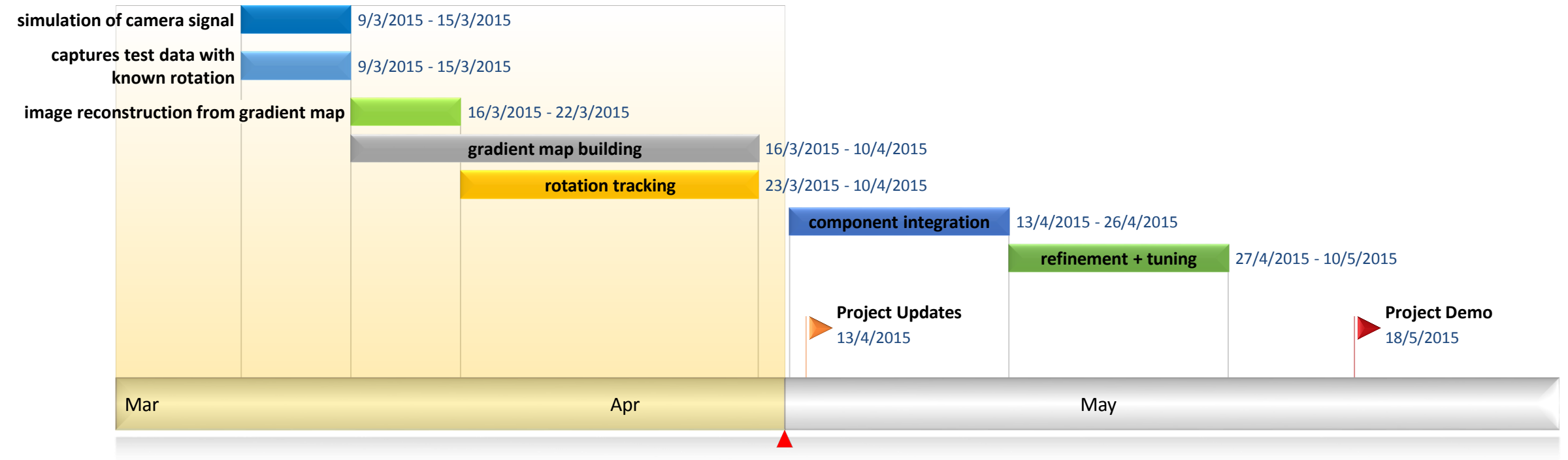


IMAGE RECONSTRUCTION FROM DVS

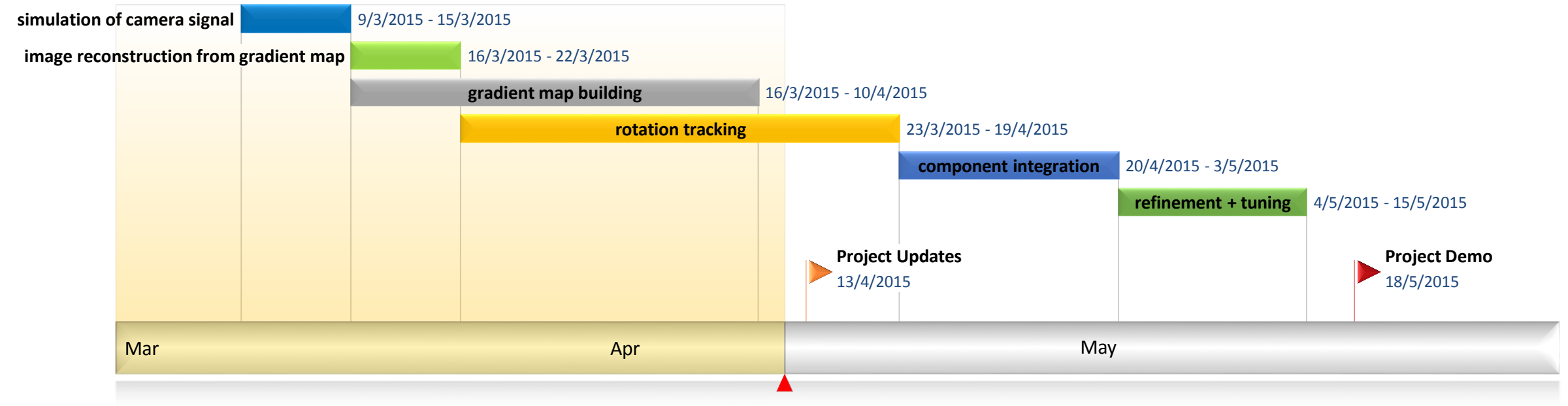
MARCEL GEPPERT & SAMUEL BRYNER



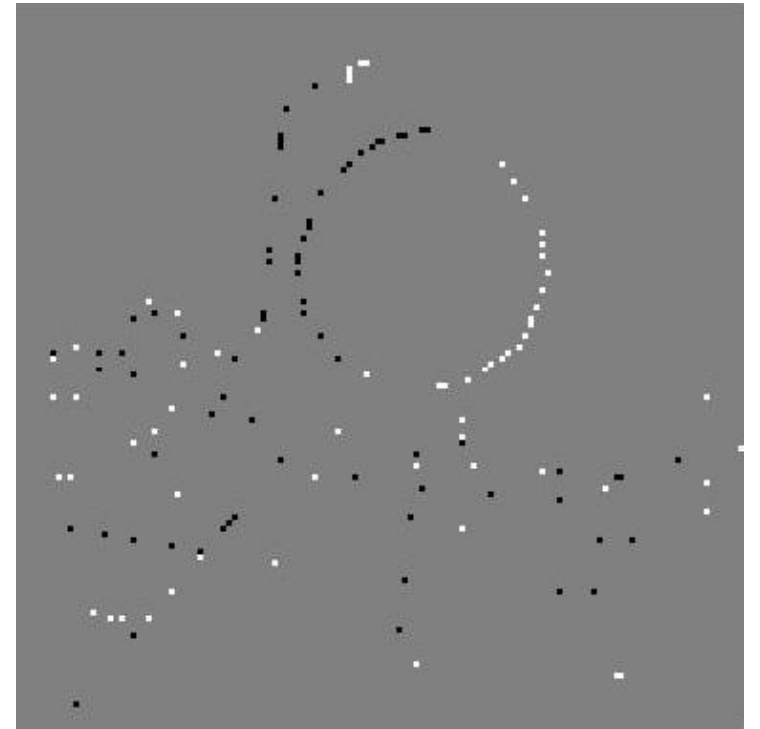
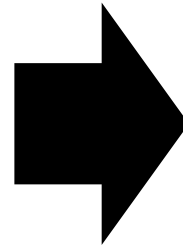
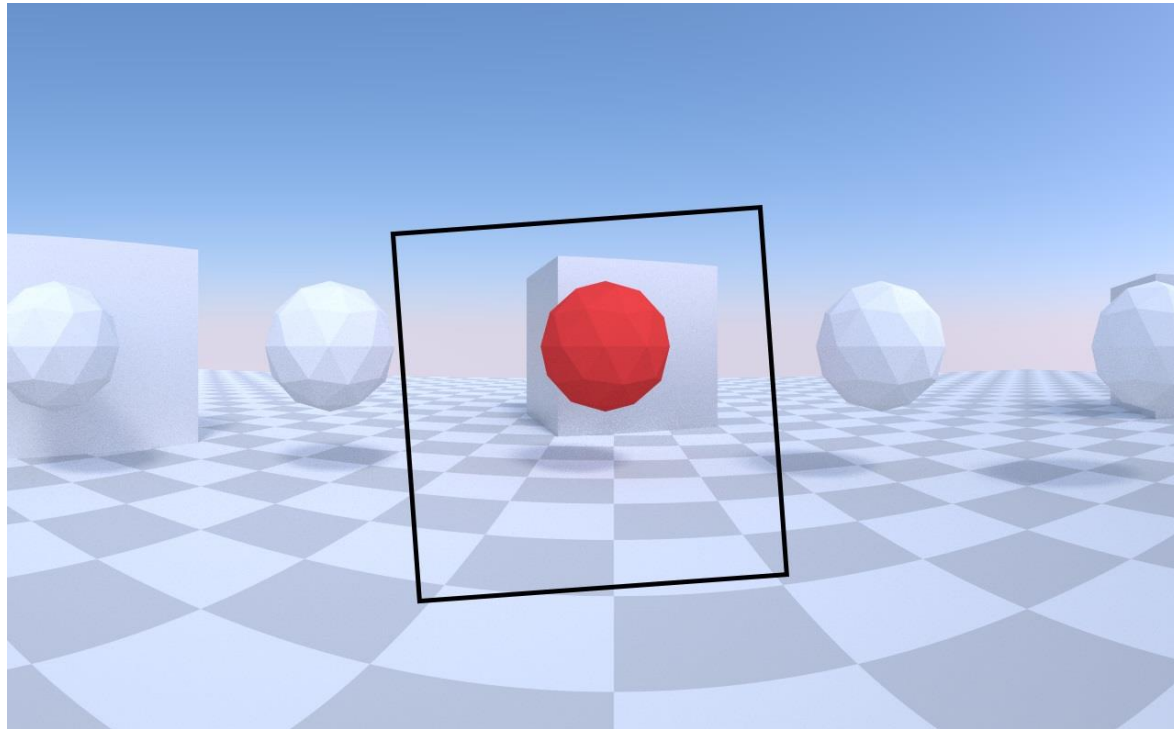
SCHEDULE



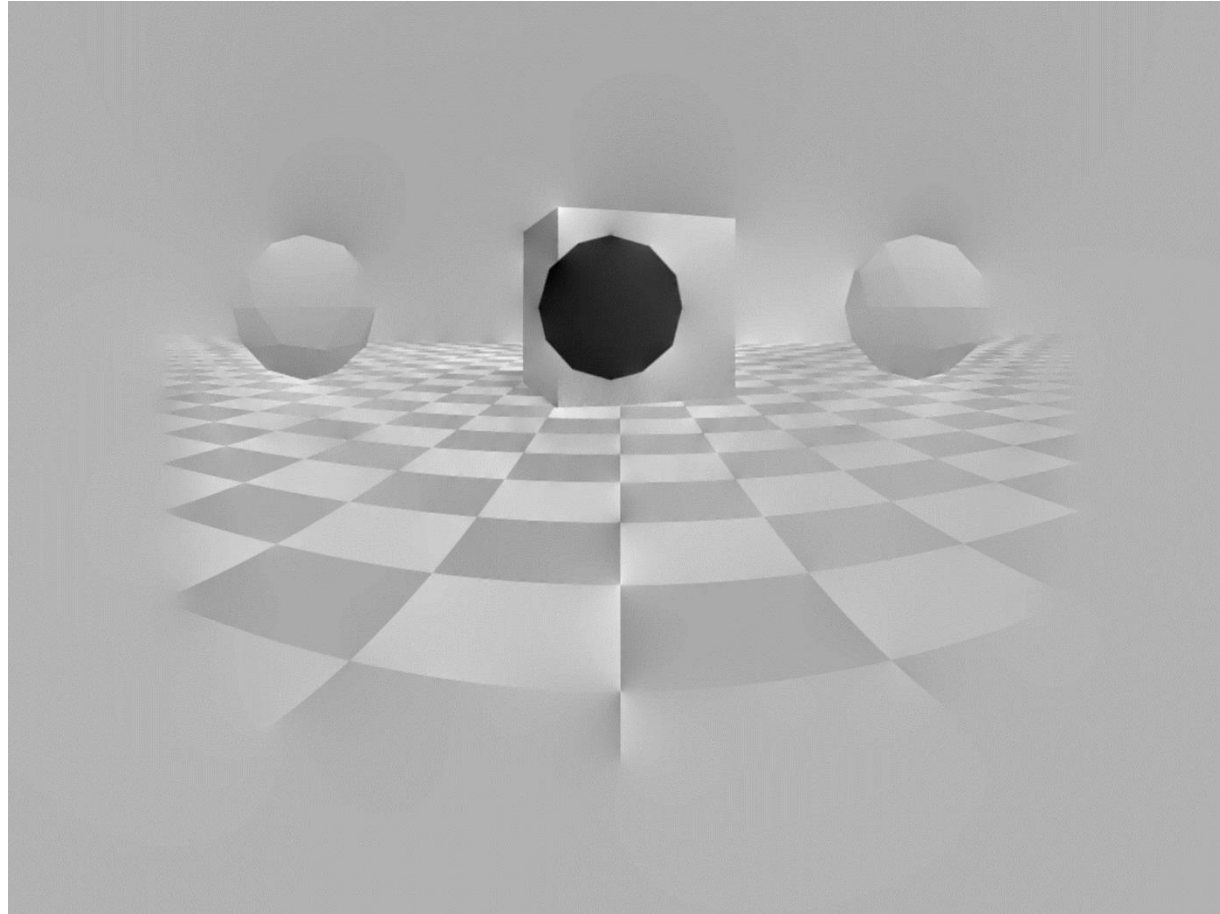
UPDATED SCHEDULE



CAMERA SIMULATION

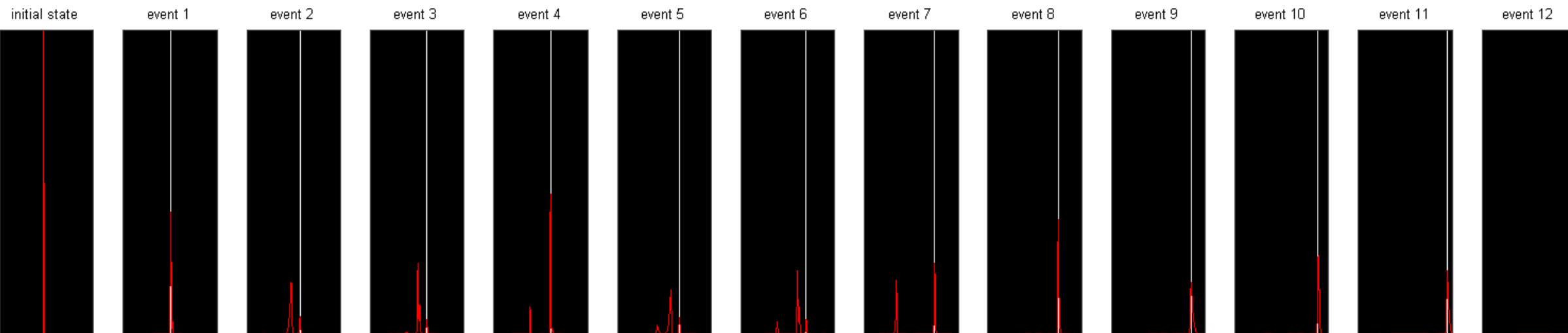
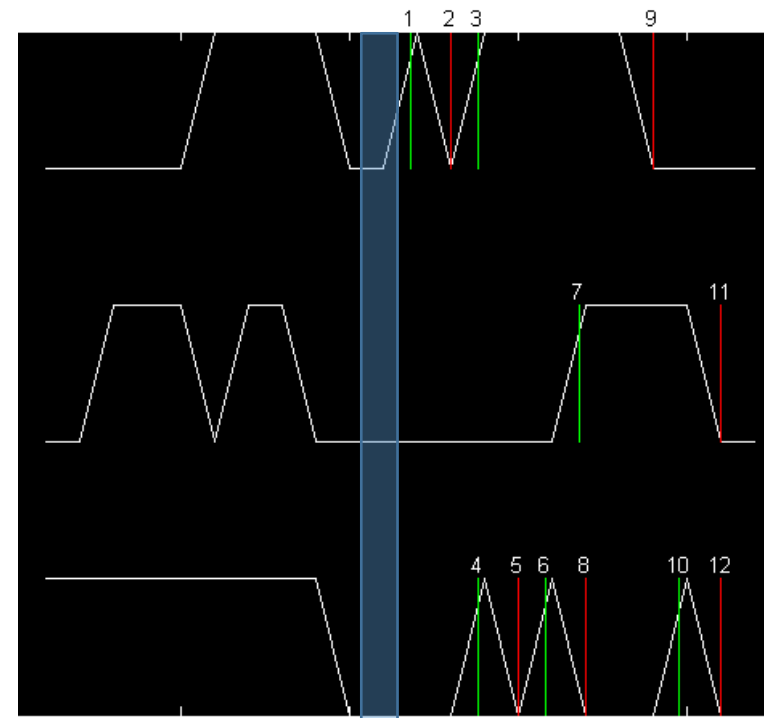
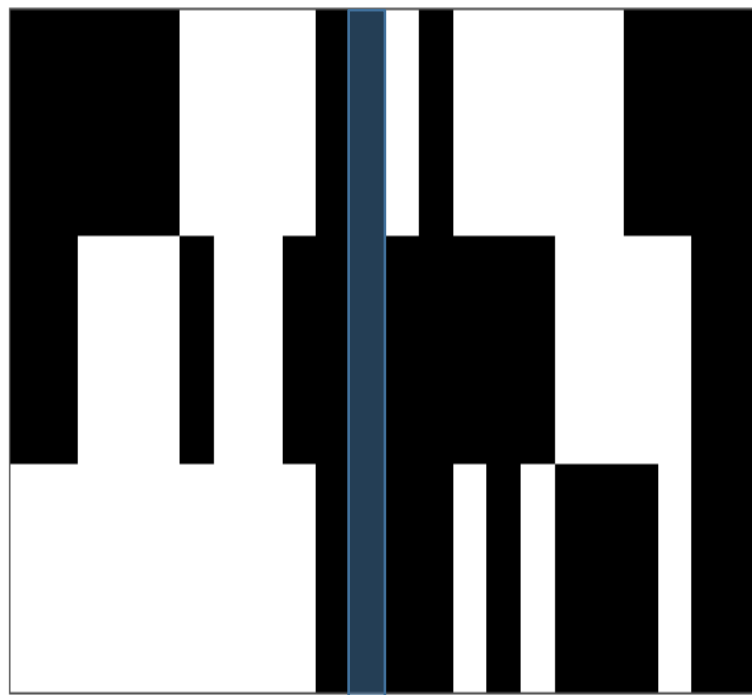


RECONSTRUCTION



TRACKING IN 1D

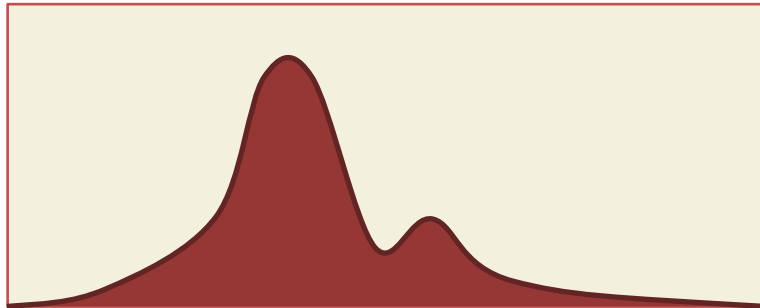
initial camera position



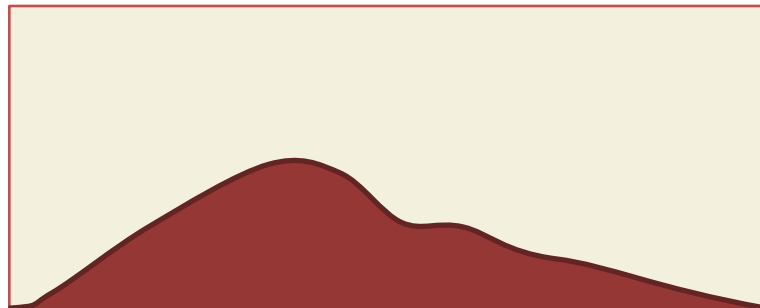
TRACKING: WE'VE GOT AN EVENT!

Where did we come from? Where was the last event of this pixel generated?

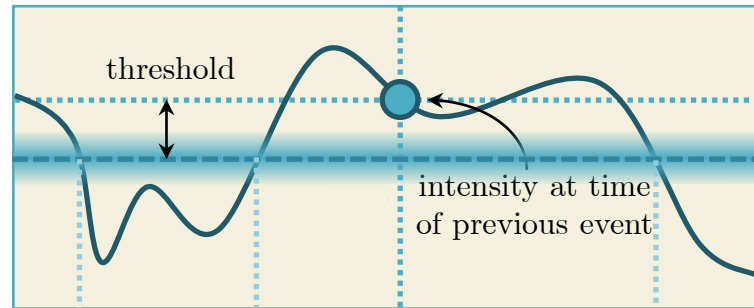
position at time of last event ($t - \tau$) intensity map (the image)



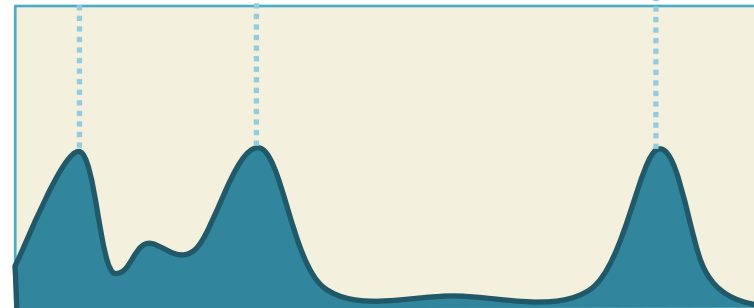
after movement prediction:



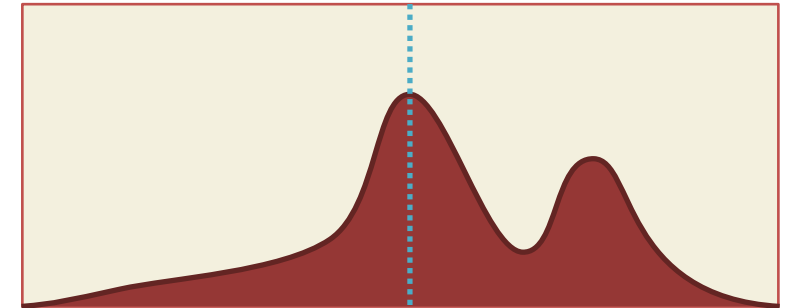
⇒ possible destination points



likelihood of correspondence



last event at same pixel ($t - \tau_c$)

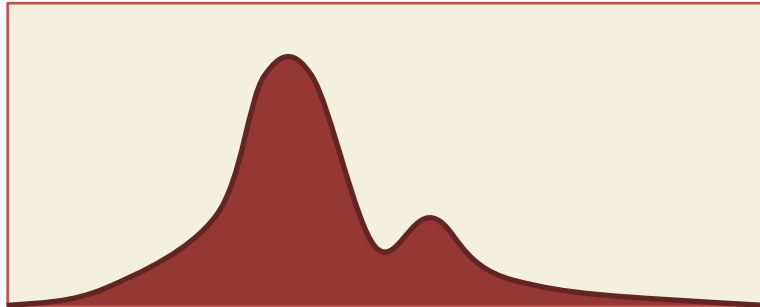


⇒ possible origin points

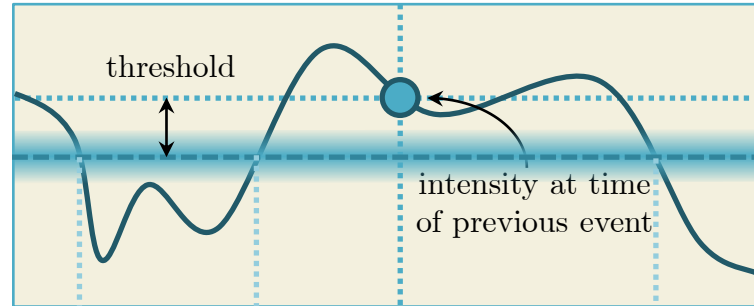
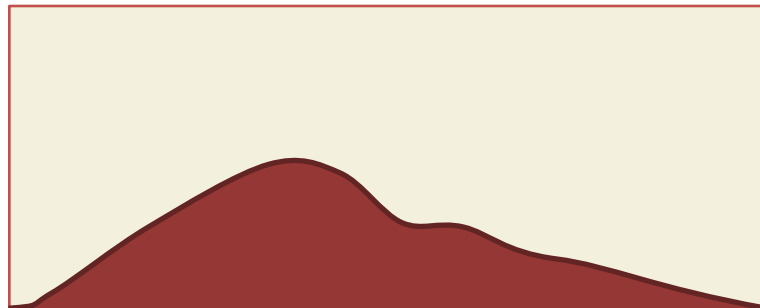
TRACKING: WE'VE GOT AN EVENT!

Where did we come from? Where was the last event of this pixel generated?

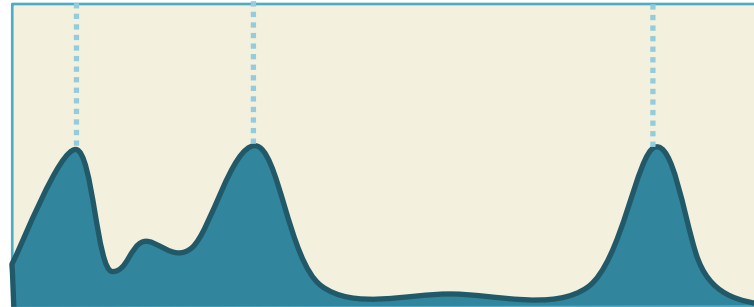
position at time of last event ($t - \tau$) intensity map (the image)



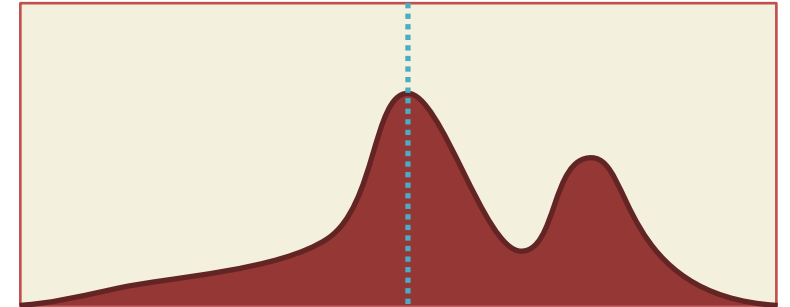
possible destination points



likelihood of correspondence



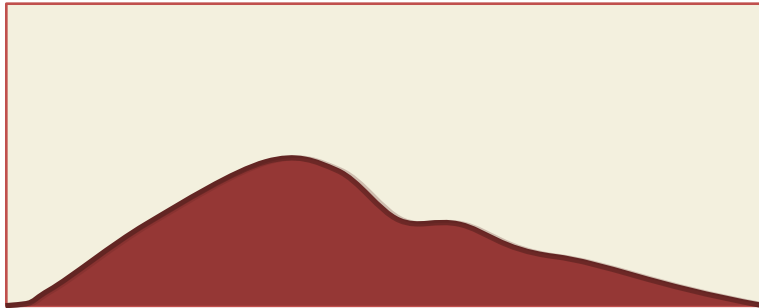
possible origin points



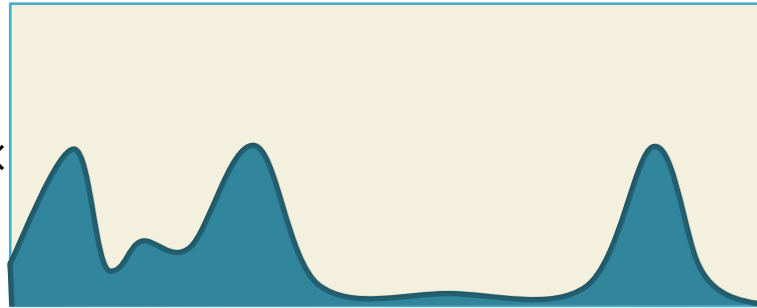
TRACKING: WE'VE GOT AN EVENT!

Where did we come from? Where was the last event of this pixel generated?

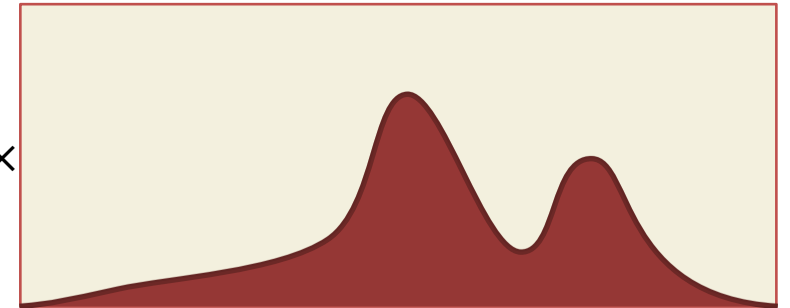
possible destination points



likelihood of correspondence



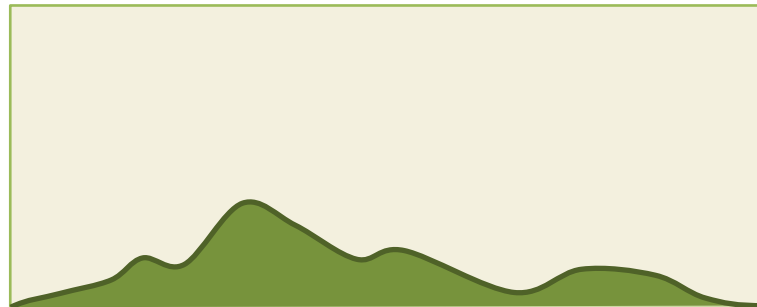
possible origin points



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RECONSTRUCTION (LOW RESOLUTION)

