

Running Simulink Designs on SRC-6

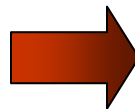
- **Conventional SRC software development path**

MAP C: data movement + compute

```
OBM_BANK_A (AL, long long...  
OBM_BANK_B (BL, long long.....  
DMA_CPU (CM2OBM, AL, ...  
wait_DMA (0); ...
```



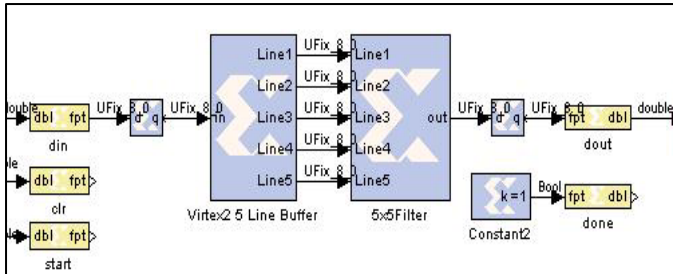
Carte™



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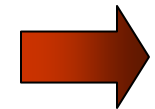
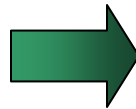
- Our approach: build models in Simulink

Simulink®: compute



MAP C: data movement only

```
OBM_BANK_A (AL, long long...  
OBM_BANK_B (BL, long long.....  
DMA_CPU (CM2OBM, AL, ...  
wait_DMA (0); ...
```



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- Example: real-time image filtering

