

a) Temporal Difference Error

The diagram illustrates the Temporal Difference Error (TDE) mechanism across five layers over time. The horizontal axis represents time, with markers at -25, 0, 75, and 100. A vertical dashed line is at time 100. The layers are represented by horizontal bars. The top layer shows a transition from a blue region to a red region, with the formula $\Delta W \approx x^+ y^+ - x^- y^-$ indicating the weight change. The second layer shows a green circle and a blue rectangle, with a label '5IB' above the green circle. The third layer shows a green circle and a blue rectangle, with a red box labeled 'Error' around the green circle. The fourth layer shows a green circle and a blue rectangle. The bottom layer shows a green circle and a blue rectangle, with a label 'Burst' next to it. Arrows indicate the flow of information and error signals between the layers and over time.

b) Explicit Error

TEO D

V4 S

V4 D

V2 S

V1

-25 0 75 100