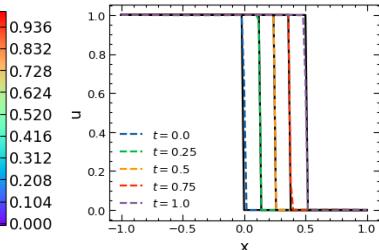
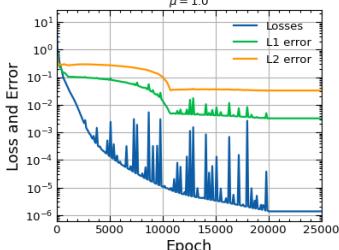


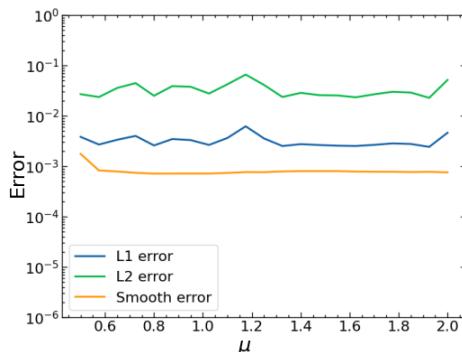
(a) PINN solution



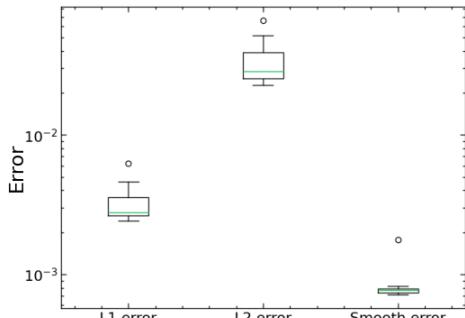
(b) Time-slice solution



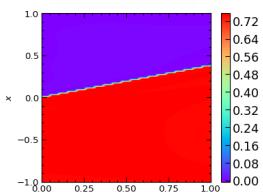
(c) Loss and error



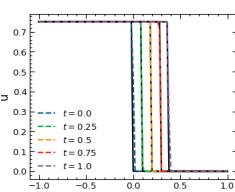
(d) Error



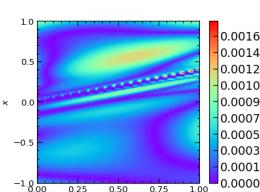
(e) Error distribution



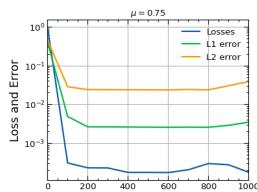
(f) VGPT-PINN



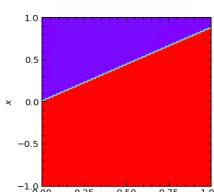
(g) Time-slice



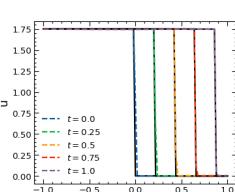
(h) Smooth error



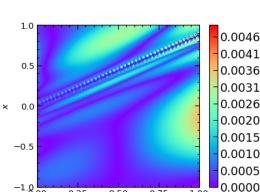
(i) Loss and error



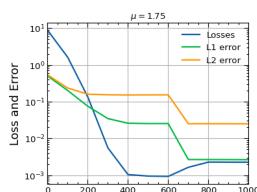
(j) VGPT-PINN



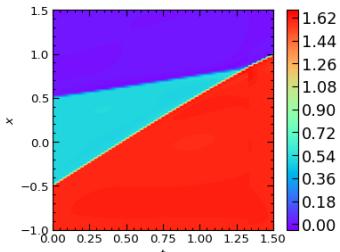
(k) Time-slice



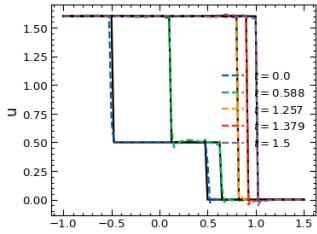
(l) Smooth error



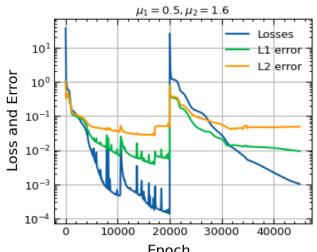
(m) Loss and error



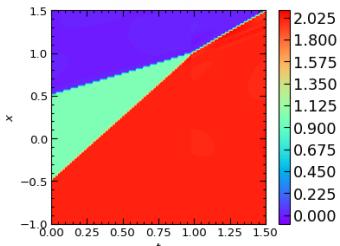
(a) PINN solution



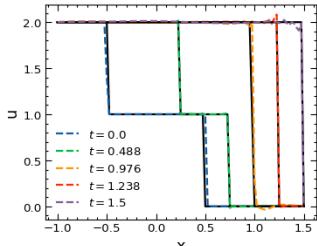
(b) Time-slice solution



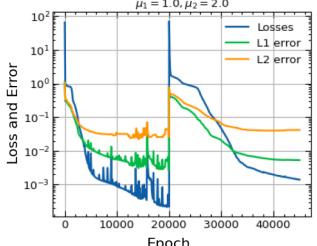
(c) Loss and error



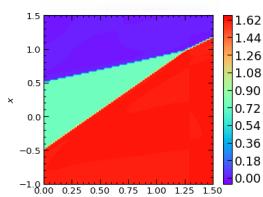
(d) PINN solution



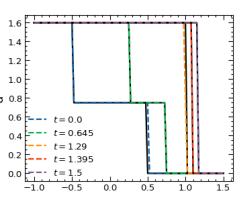
(e) Time-slice solution



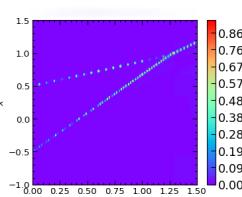
(f) Loss and error



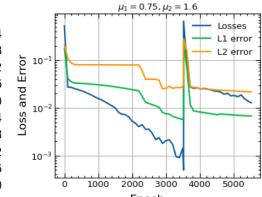
(g) VGPT-PINN



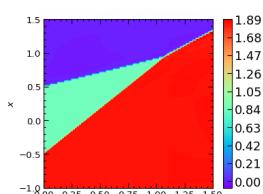
(h) Time-slice



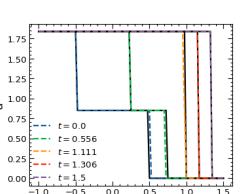
(i) Smooth error



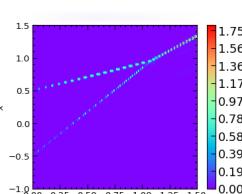
(j) Loss



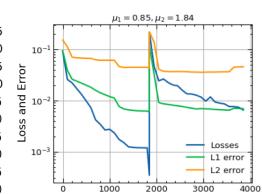
(k) VGPT-PINN



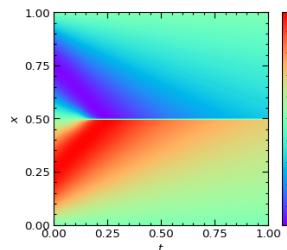
(l) Time-slice



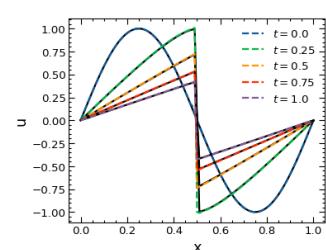
(m) Smooth error



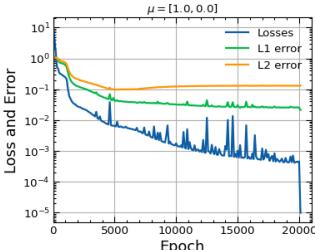
(n) Loss



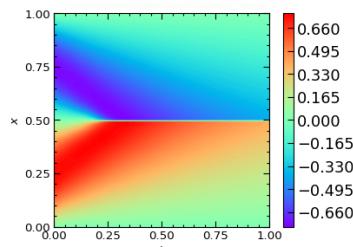
(a) PINN solution



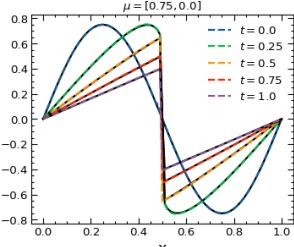
(b) Time-slice solution



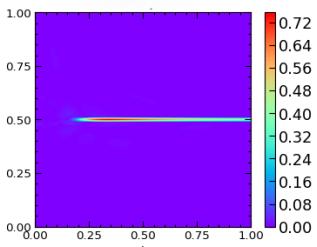
(c) Loss and error



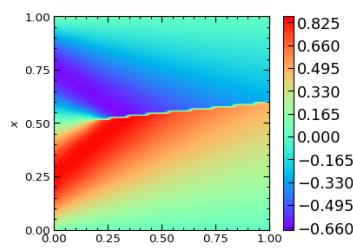
(d) VGPT-PINN



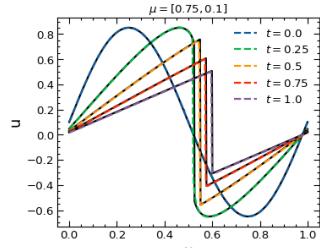
(e) Time-slice



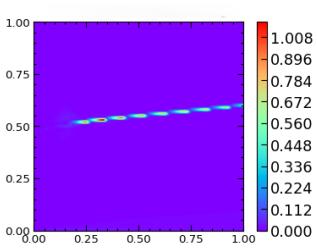
(f) Error



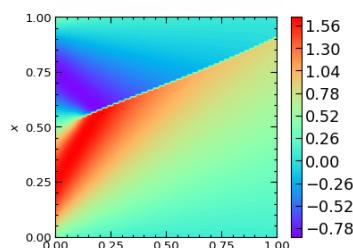
(g) VGPT-PINN



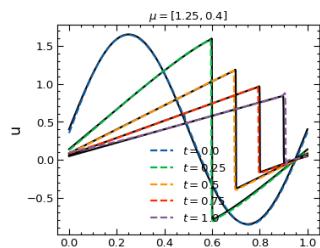
(h) Time-slice



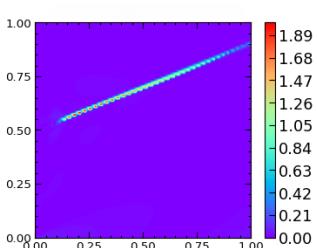
(i) Error



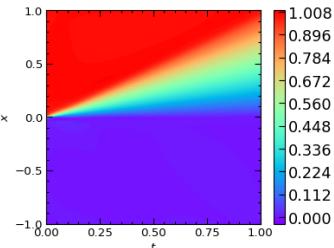
(j) VGPT-PINN



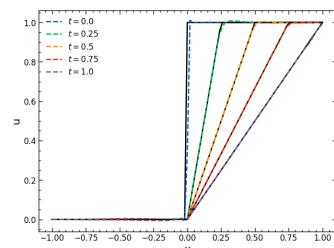
(k) Time-slice



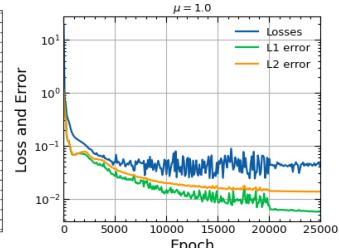
(l) Error



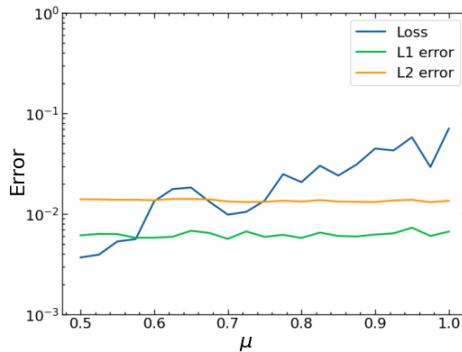
(a) PINN solution



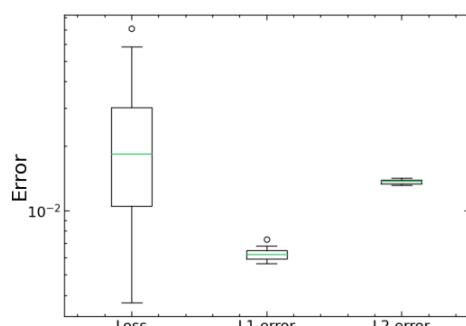
(b) PINN error



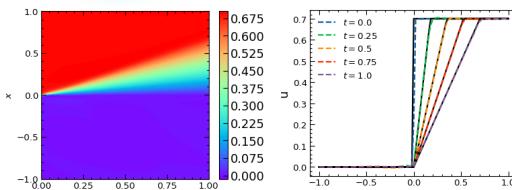
(c) PINN loss



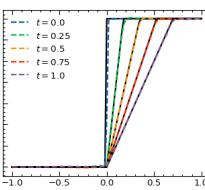
(d) Error



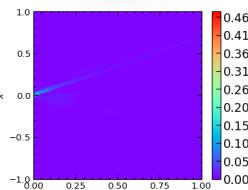
(e) Error distribution



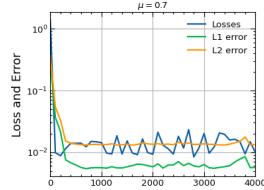
(f) VGPT-PINN



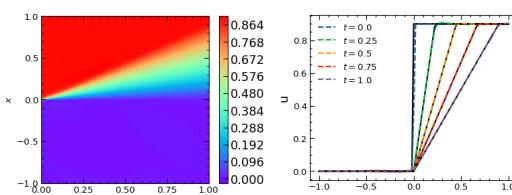
(g) Time-slice



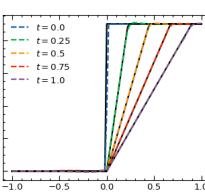
(h) Error



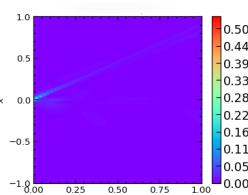
(i) Loss



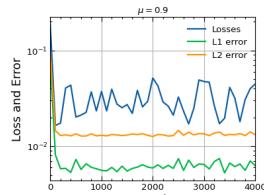
(j) VGPT-PINN



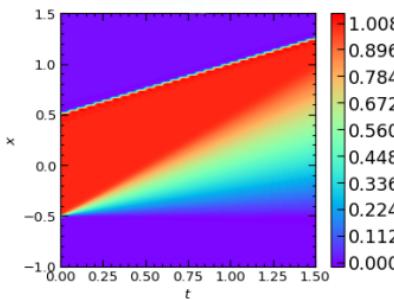
(k) Time-slice



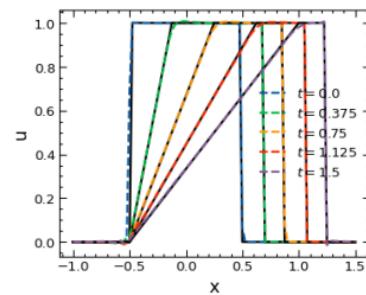
(l) Error



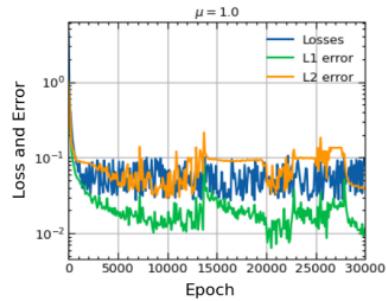
(m) Loss



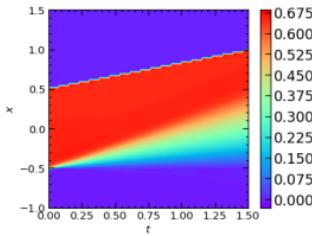
(a) PINN solution



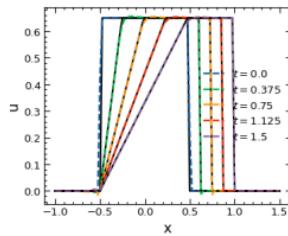
(b) PINN error



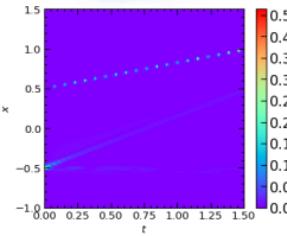
(c) PINN loss



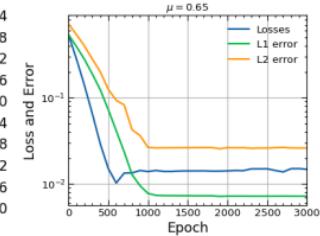
(d) VGPT-PINN



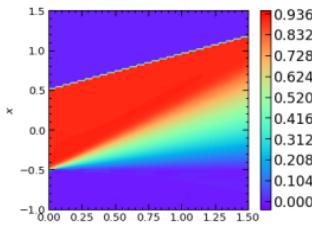
(e) Time-slice



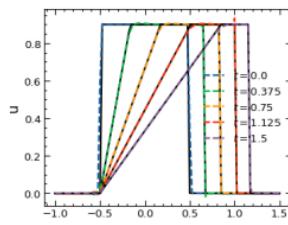
(f) Error



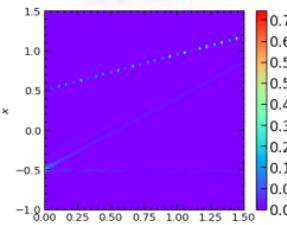
(g) Loss



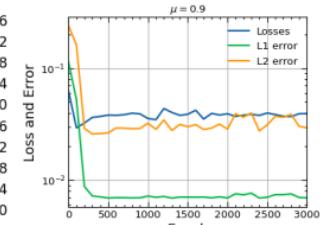
(h) VGPT-PINN



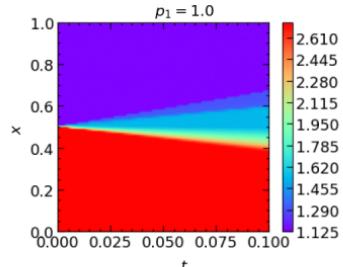
(i) Time-slice



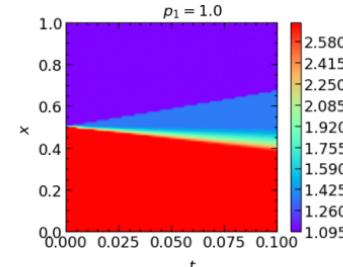
(j) Error



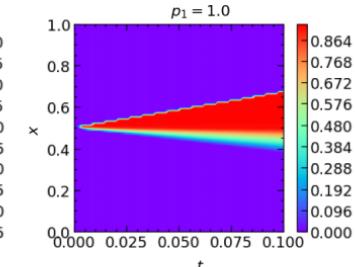
(k) Loss



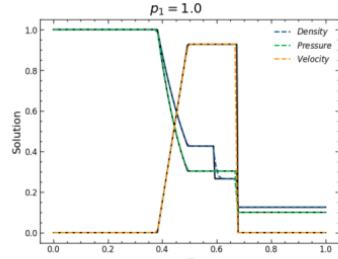
(a) Density



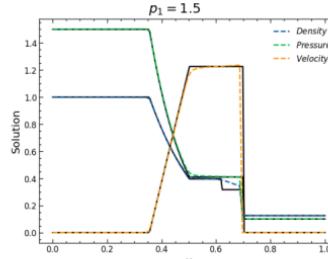
(b) Pressure



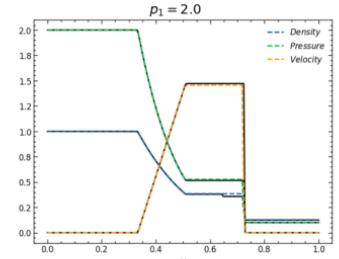
(c) Velocity



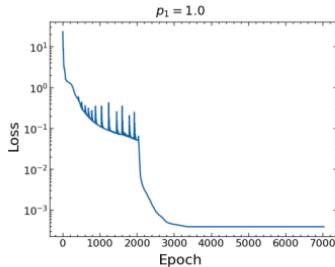
(d) PINN solution



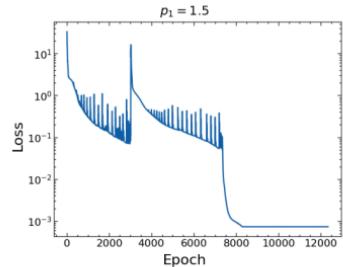
(e) PINN solution



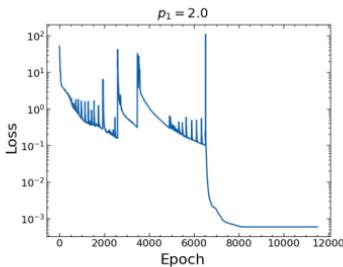
(f) PINN solution



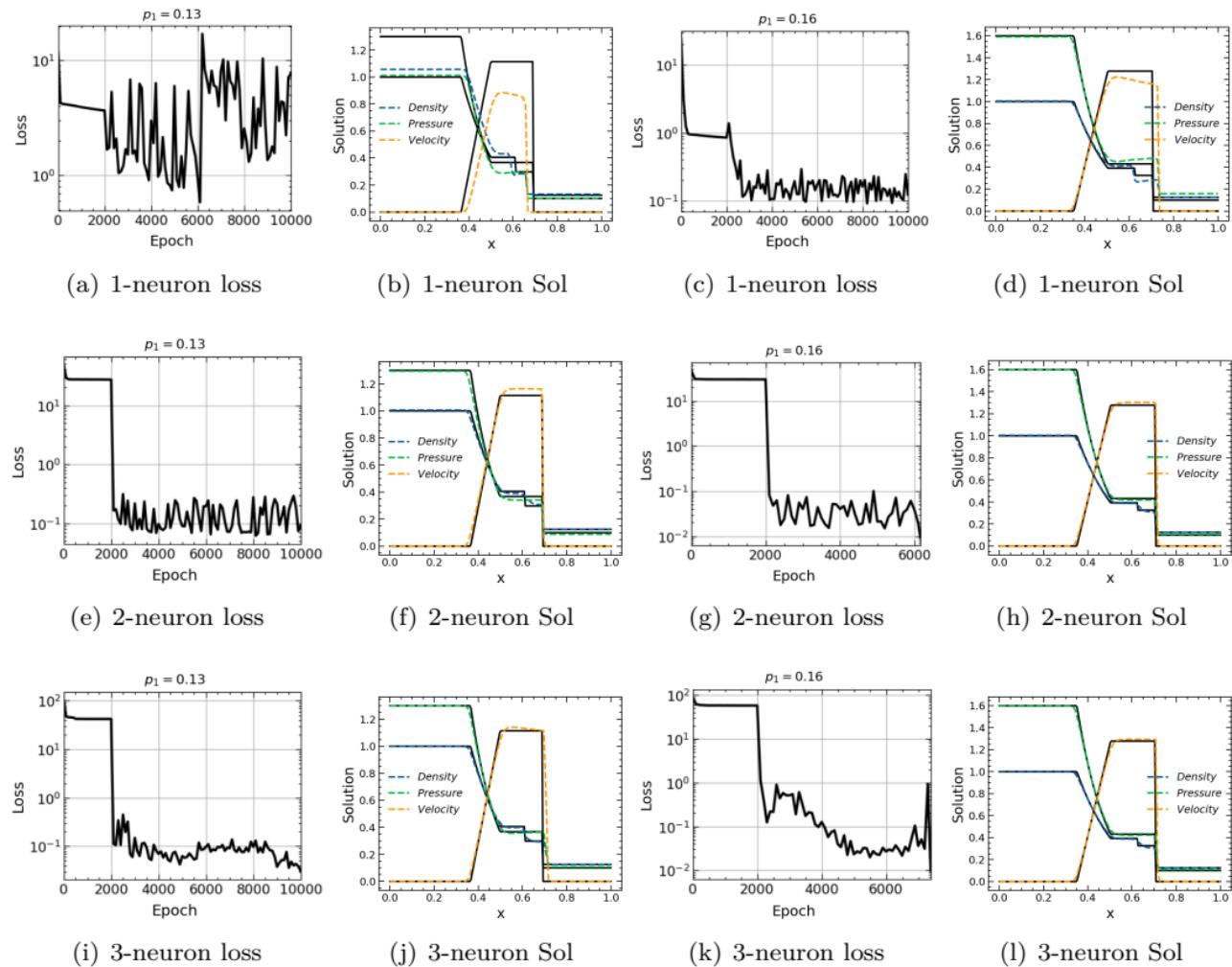
(g) PINN loss

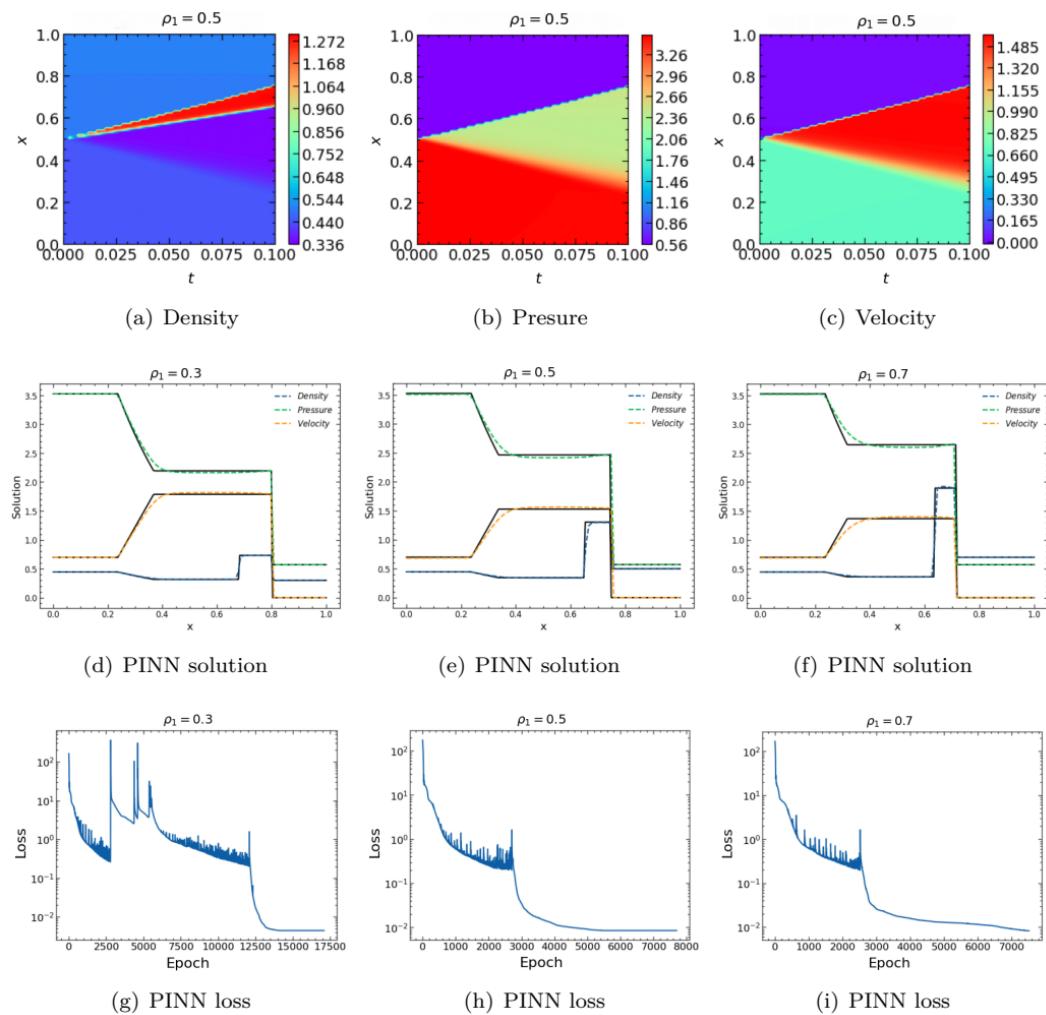


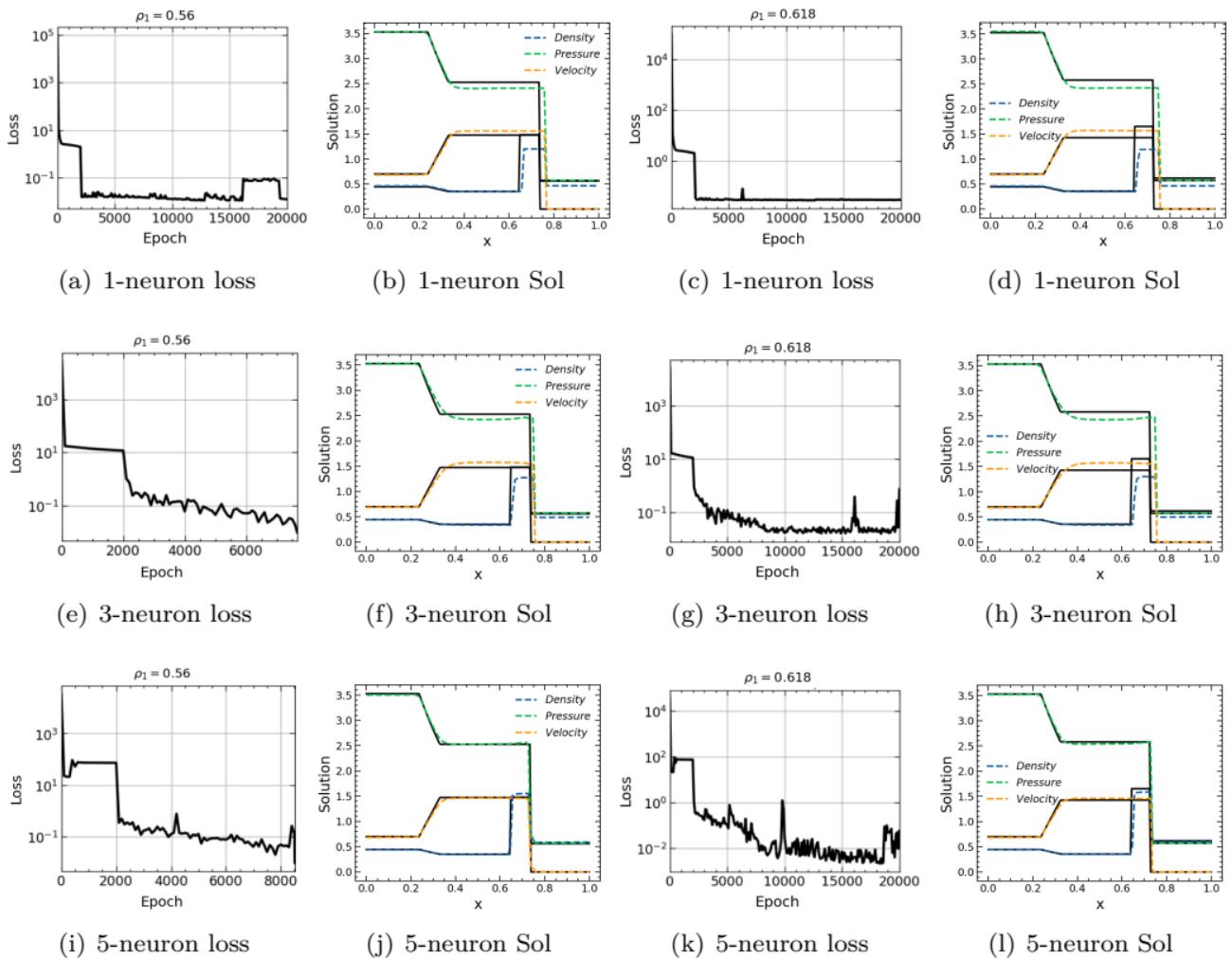
(h) PINN loss

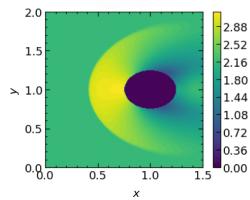


(i) PINN loss

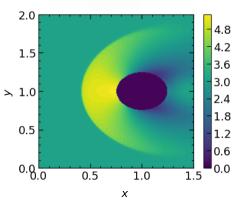




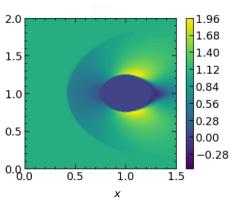




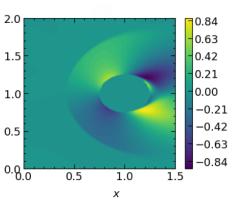
(a) Density



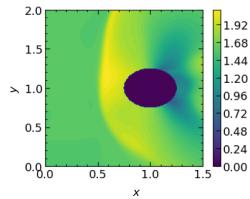
(b) Pressure



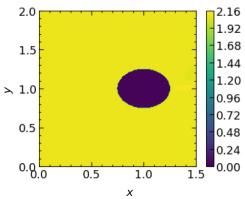
(c) Velocity-x



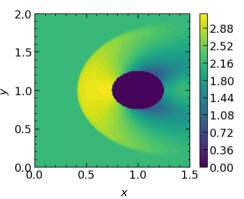
(d) Velocity-y



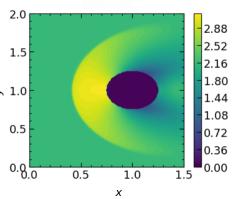
(e) 1-neuron



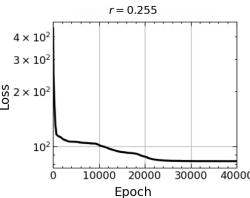
(f) 2-neuron



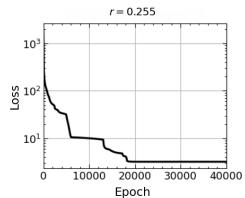
(g) 3-neuron



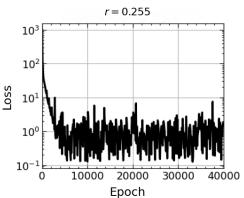
(h) 4-neuron



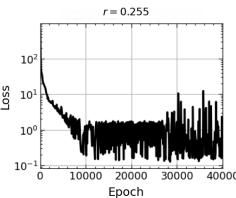
(i) 1-neuron



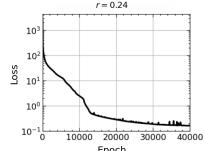
(j) 2-neuron



(k) 3-neuron



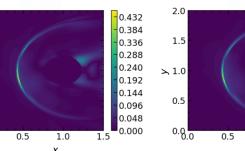
(l) 4-neuron



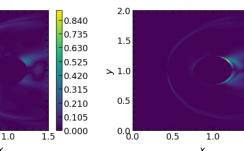
(m) Loss



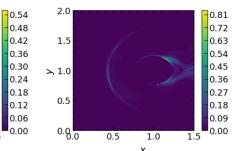
(n) Density



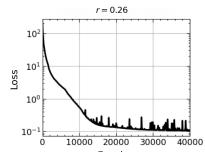
(o) Pressure



(p) Velocity-x



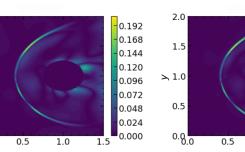
(q) Velocity-y



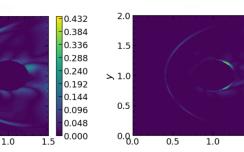
(r) Loss



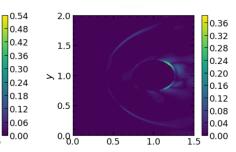
(s) Density



(t) Pressure



(u) Velocity-x



(v) Velocity-y