**Experiment I**

1. **Peak Disk use**

fH = gcf;

x=[1 2 3];

y=[40 40 40; 26 26 26];

h = bar(x,y');

set(gca, 'fontsize',14)

ylim([0, 50])

ylabel('Peak Disk Use[byte/ch]')

legend('ProgA', 'ProgB')

set(gca, 'xticklabel', {'enwiki', 'uniprot', 'proteins'});

applyhatch\_pluscolor(fH, '\-x.', 0, [1 0 1 0]);

1. **I/O Volume**

fH = gcf;

x=[1 2 3];  
y=[155 155 155; 201 182 194];h = bar(x,y');

set(gca, 'fontsize',14)

ylim([0, 250])

ylabel('I/O Volume[byte/ch]')

legend('ProgA', 'ProgB')

set(gca, 'xticklabel', {'enwiki', 'uniprot', 'proteins'});

applyhatch\_pluscolor(fH, '\-x.', 0, [1 0 1 0]);

1. **Time**

fH = gcf;

x=[1 2 3];  
y=[2.11344019 2.231598827 1.854827971;

2.885162947 2.558260368 2.414302624];h = bar(x,y');

set(gca, 'fontsize',14)

ylim([0, 5])

ylabel('Running Time[us/ch]')

legend('ProgA', 'ProgB')

set(gca, 'xticklabel', {'enwiki', 'uniprot', 'proteins'});

applyhatch\_pluscolor(fH, '\-x.', 0, [1 0 1 0]);

**Experiment II**

1. **Peak Disk Use**

set(gca, 'fontsize',14)

x = [1, 2, 4, 8]

y1 = [40, 40, 40, 40]

y2 = [26, 26, 26, 26]

plot(x, y1,'-o', x, y2,'-+')

ylabel('Peak Disk Use[byte/ch]')

xlim([0,10])

ylim([0,50])

legend('ProgA','ProgB')

1. **IOV**

set(gca, 'fontsize',14)

x = [1, 2, 4, 8]

y1 = [155, 155, 155, 155]

y2 = [189, 190, 192, 201]

plot(x, y1, '-o', x, y2, '-+')

ylabel('I/O Volume[byte/ch]')

xlim([0,10])

ylim([100,250])

legend('ProgA', 'ProgB')

1. **CT**

set(gca, 'fontsize',14)

x = [1, 2, 4, 8]

y1 = [2.163837198, 2.102416474, 2.26296531, 2.11344019]

y2 = [2.283806447, 2.683870494, 2.786471974, 2.885162947]

plot(x, y1, '-o', x, y2, '-+')

xlabel('Input Size[GiB]')

ylabel('Running Time[us/ch]')

xlim([0,10])

ylim([0,5])

legend('ProgA','ProgB')