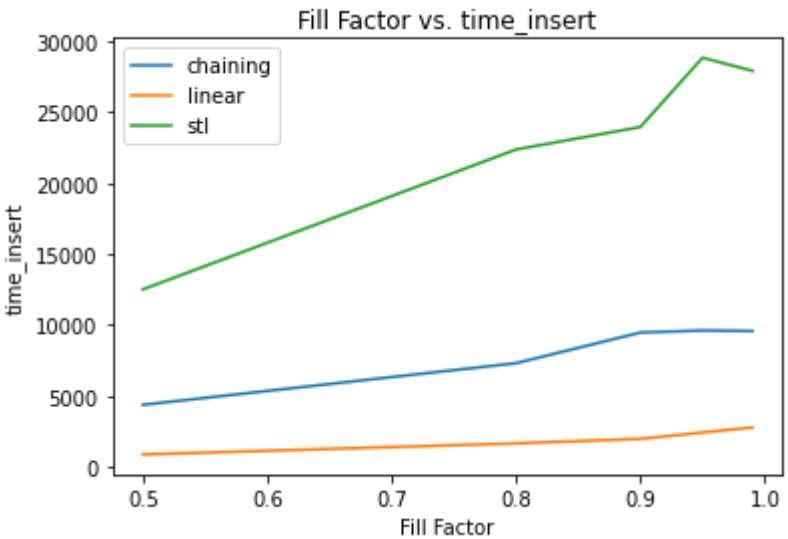
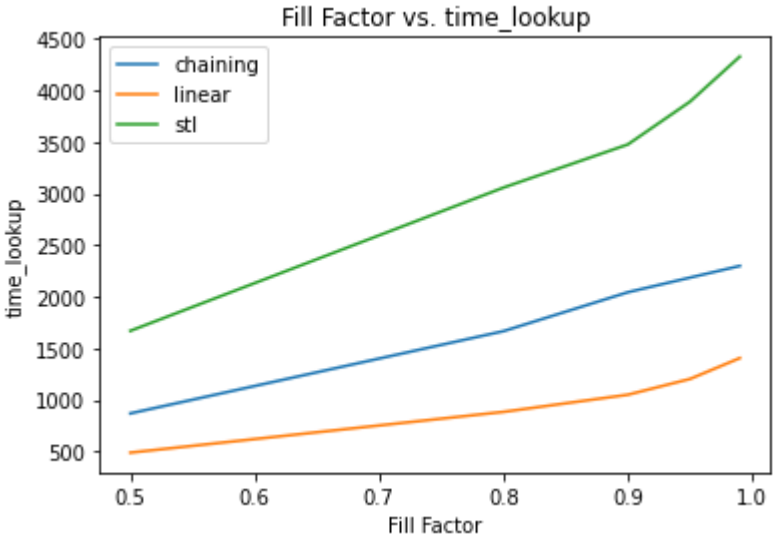
In [93]:

```
import simexpal
import yaml

cfg = simexpal.config_for_dir()

results = []
for run in cfg.collect_successful_results():
  with run.open_output_file() as f:
    yml = yaml.load(f, Loader=yaml.SafeLoader)
  results.append(yml)

results= sorted(results, key=lambda r: (r['algo'], r['fill_factor']))

def getValues(key, algo):
  return [result[key] for result in results if result['algo'] == algo]

algos = ['chaining', 'linear', 'stl']
keys = ['time_insert', 'time_lookup']

for key in keys:
  for algo in algos:
    # plotting the lines
    plt.plot(getValues('fill_factor', algo), getValues(key, algo), label = algo)
    #set labels

  plt.xlabel('Fill Factor')
  plt.ylabel(key)
  # Set title
  plt.title('Fill Factor vs. '+key)
  # show a legend on the plot
  plt.legend()
  # Display a figure.
  plt.show()
```




Fill Factor vs. time_lookup
chaining
linear
stl
time_lookup
Fill Factor
4500
4000
3500
3000
2500
2000
1500
1000
500
0.5
0.6
0.7
0.8
0.9
1.0