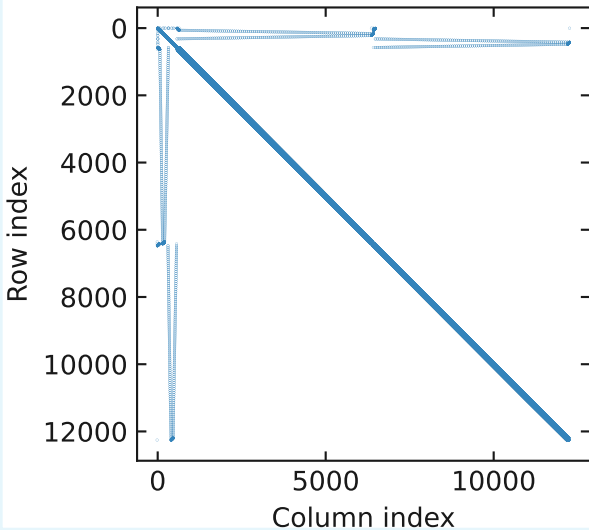
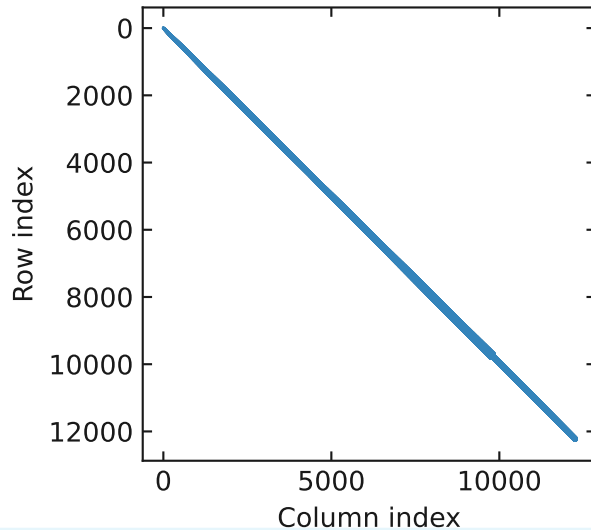


**Reference (No renumbering)**  
 $\max |i - j| = 12256$



**RCM (Bandwidth reduction)**  
 $\max |i - j| = 121$



**METIS (Fill-in reduction)**  
 $\max |i - j| = 12197$

