

複雑ネットワーク科学第四回講義演習課題

工学系研究科航空宇宙工学専攻修士1年

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1. クリーク抽出

Fig.1 に示すネットワーク図を示し、コミュニティとしてクリークを以下に抽出する。

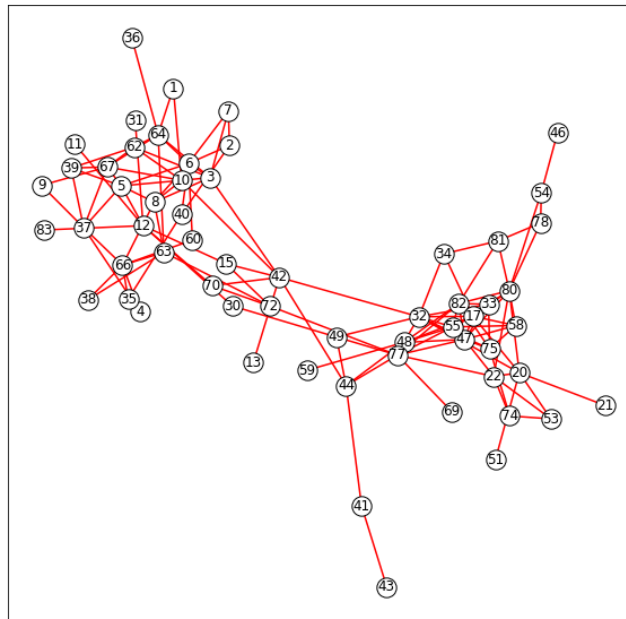


Fig.1 Network

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[['64', '62', '67'], ['64', '62', '3'], ['64', '36'], ['64', '1'],  
['64', '6', '3'], ['64', '63'], ['44', '77', '48'], ['44', '77',  
'49'], ['44', '41'], ['44', '42'], ['35', '66'], ['35', '40'], ['59',  
'48'], ['41', '43'], ['74', '75'], ['74', '53', '22'], ['62', '10',  
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'13'], ['42', '15'], ['42', '70'], ['42', '10', '3'], ['80', '78',  
'81'], ['80', '78', '54'], ['80', '81', '82'], ['80', '47', '17',  
'55', '58'], ['80', '47', '17', '55', '82'], ['80', '47', '17', '33',  
'82'], ['80', '47', '22'], ['80', '20', '17'], ['80', '20', '22'],  
['15', '12'], ['15', '72'], ['39', '5', '37', '67'], ['6', '60'],  
['6', '8', '10', '5'], ['6', '8', '10', '3'], ['6', '7', '2'], ['6',  
'7', '3'], ['6', '40', '2'], ['37', '4', '66'], ['37', '9', '67'],  
['67', '10', '5'], ['48', '55', '47', '17', '32'], ['48', '55', '47',  
'17', '82'], ['48', '55', '47', '77', '82'], ['12', '83'], ['12',
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'30'], ['12', '5'], ['12', '31'], ['12', '70'], ['12', '11'], ['34',
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'47', '33', '32'], ['75', '47', '33', '82'], ['63', '72'], ['63',
'66', '8'], ['63', '66', '38'], ['32', '17', '47', '33'], ['32', '17',
'20'], ['32', '49'], ['77', '47', '22'], ['77', '72'], ['77', '69'],
'49', '30'], ['10', '1'], ['46', '54'], ['60', '66'], ['21', '20'],
'72', '70'], ['53', '20', '22']]