**P. Sai Teja**

**2022EEE2709**

**Simulation of Downlink PD NOMA at arbitrary alpha**

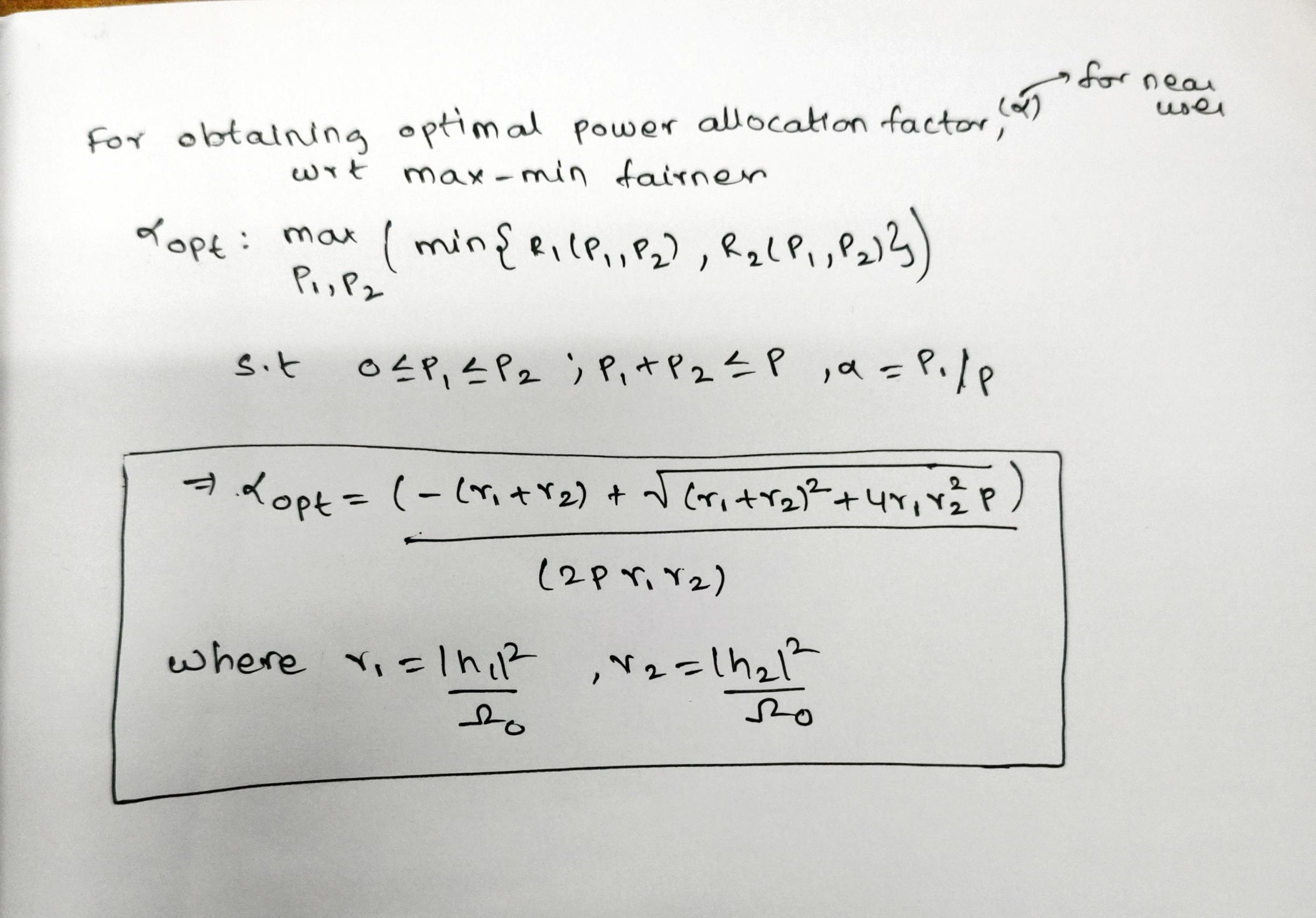
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**Performance with alpha at 0.3**

**Chart

Description automatically generated**

**Obtaining optimal alpha**

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**Simulation of Downlink PD NOMA at optimal alpha**

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**Performance with optimal alpha**

**Chart

Description automatically generated**

**Performance comparison between optimal alpha and alpha at 0.3**

Chart

Description automatically generated