

X-Ray Free Electron Laser (FEL) and Endeavor for Full Coherence

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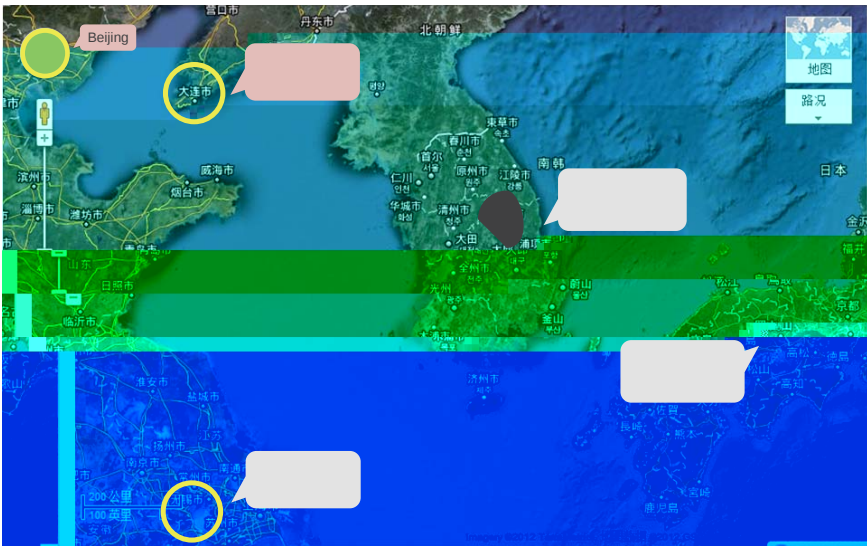
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History

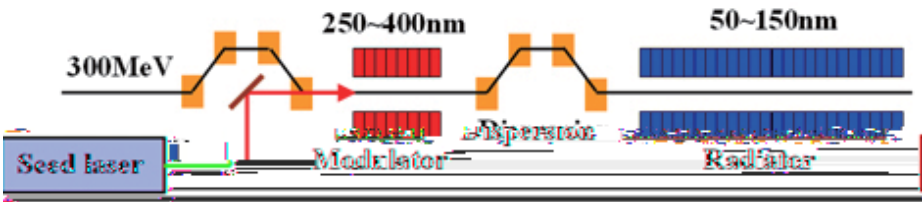
Electromagnetic wave as a tool for scientific research
Evolution and Revolution

- 1879 - Light bulb
- 1895 - X - Rays
- 1960 - LASER
- 1970 - Synchrotron radiation
- 2009 - X - ray lasers

Major high gain FEL facilities in Asia



50-150 nm fully tunable
Fully coherent
Narrow bandwidth/ultra short



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