

(1) 部分代表性的科学研究成果

学术研究论文

- [1] Jing Ma, Yijun Jiang, Liying Tan, Siyuan Yu, Wenhe Du. Influence of beam wander on bit-error rate in a ground-to-satellite laser uplink communication system. Opt. Lett.. 2008, 33(22): 2611-2613 (影响因子: 3.772)
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- [3] Jing Ma, Yijun Jiang, Siyuan Yu, Liying Tan, Wenhe Du. Packet error rate analysis of OOK, DPIM and PPM modulation schemes for ground-to- satellite optical communications. Opt. Commun.. 2009, 282: 705-708 (影响因子: 1.552)
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- [5] Wenhe Du, Liying Tan, Jing Ma, Siyuan yu, Qiqi Han. Temporal-frequency spectra for optical wave propagating through non-Kolmogorov turbulence. Opt. Exp.(影响因子: 3.880)
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#### 国际会议论文

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#### 学术理论专著

- [1] 马晶,谭立英著.《卫星光通信原理》.国防工业出版社 2010年.  
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#### (2) 招收博士及硕士研究生的学科:

- 招收博士和硕士研究生的学科:
  - 物理电子学 (一级学科: 电子科学与技术)
  - 光学工程 (一级学科: 电子科学与技术)

#### (3) 博士及硕士研究生的研究方向:

- [1] 卫星激光通信原理及理论
- [2] 卫星激光通信技术及应用
- [3] 小波光学理论;
- [4] 分数傅里叶光学;
- [5] 卫星间量子保密光通信理论
- [6] 高精度光束瞄准控制理论
- [7] 卫星光通信快速捕获与稳定跟踪理论
- [8] 极弱光信号探测理论
- [9] 大气光学
- [10] 激光束远场分布及传输理论
- [11] 光信号处理技术及方法

#### (4) 博士及硕士研究生的专业需求:

- 博士研究生的硕士专业需求:
  - 物理电子学
  - 光学工程
  - 微电子学
  - 物理学及应用物理学
  - 光信息科学与技术
  - 应用光学
  - 控制及精密控制
  - 电信息科学与技术
  - 通信
  - 信号和图像处理



- 应用数学
- 计算机
- 精密机械专业
- 硕士研究生的本科专业需求:
  - 物理电子学
  - 物理学及应用物理学
  - 光信息科学与技术
  - 应用光学
  - 控制及精密控制

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