
Short Wavelength Lasers Applications Proceedings International Symposium

short wavelength coherent radiation: generation and ... - short wavelength coherent radiation: generation and applications (conference edition summaries of papers presented at the short wavelength coherent radiation: generation and applications topical meeting september 26-29, 1988 north falmouth cape cod, massachusetts cosponsored by the I. optical society of america **short, shorter, shortest: diode lasers in the deep ultraviolet** - short-wavelength diode lasers diode lasers are compact and light-weight, very energy-efficient, require little or no maintenance, and are relatively low in cost. applications in science and research benefit from diode laser technology, particularly where they can rely on improved properties of the emitted light or the tunability. **the application of semiconductor superlattices to short ...** - wavelength where the loss and dispersion in the fibre are low, whereas in optical-disc information systems the need is for short-wavelength lasers in order to obtain high storage densities [11]. considerable versatility is therefore required to produce types of lasers which are suitable for all these applications, though at a **laser produced plasma light sources for short wavelength ...** - short wavelength applications gerry o'sullivan university college dublin, belfield, dublin 4, ireland laser produced plasmas (lpps) have been shown provide versatile sources of extreme ultraviolet radiations, depending on the choice of target they can be used as sources of **lasing without inversion: the road to new short-wavelength ...** - inversionless lasers have been shown to have some unique properties such as nonclassical photon wcs and subnatural narrow spectral features, as well as many interesting applications such as long-wave mka- subband semiconductor lasing [6]. however, the generation of short-wavelength radiation remains the most **436 deep ultraviolet (uv) laser for sterilisation and ...** - uv leds are the very short operating wavelength of less than 230 nm and the laser-like nature of the emitted light. the plot in fig. 3 shows a comparison of the wavelength and output powers reported for r&d uv leds (blue triangles) [1-7] and those of our dpuvc-lasers (red square is continuous operation (cw); red circle is **capillary discharge tabletop soft x-ray lasers reach new ...** - there is also significant interest in extending the availability of practical discharge-pumped short wavelength lasers to other wavelengths. in particular, applications in photochemistry and photophysics can significantly benefit from repetitive laser sources of high energy photons that are capable of causing single- **laser and its applications - drdo drdo** - laser has already brought great benefits in surgery, photography, holography, engineering and data storage. though it is not possible to illustrate all the laser applications reported so far in this small book, the more important ones are covered in the chapters on laser applications. **addenda workshop on scientific applications of short ...** - workshop on scientific applications of short wavelength coherent light sources executive summary h. winick, j. arthur and w. spicer this workshop was motivated by two recent developments which have opened the possibility that the slac linac could be used to drive an x-ray laser at very short wavelengths. **chapter 6 femtosecond laser ablation: fundamentals and ...** - extensively since 1960s. with the advent of short and ultrashort laser pulses, there has been a growing interest in the applications of femtosecond and picosecond lasers for analysis of materials using liss and la-icp-ms. the fundamentals of laser ablation process using ultrashort laser pulses are not still fully understood. **practical short cavity fabry-perot fiber ring lasers for ...** - practical short cavity fabry-perot fiber ring lasers for oct systems todd haber, dustin carr, justin stay micron optics, inc, atlanta, ga 30345, usa abstract a new generation high reliability, all-fiber, short cavity, and high performance swept wavelength laser sources designed for optical coherence tomography (oct) applications is discussed. **laser basics - uspas** - laser applications for accelerators laser basics yuelin li ... uspas, 2008 content laser and accelerator history map of laser application in accelerators laser basics - rate equations - laser configurations ... - semiconductor lasers - fiber lasers frequency conversion and short wavelength lasers. 3 uspas, 2008 content laser and ... **approaches toward a blue semiconductor laser - nasa** - the principal reason for nasa's interests in these short wavelength lasers is their use in recording applications'. currently, studies of erasable optical recording seem to be aimed at three different approaches: magneto-optical (mo), dye-polymer (dp), and phase change (pc). of these, mo appears to **gpn-30-1-30-m - ipg photonics** - the short wavelength, short pulse duration and high peak power result in a very small heat affected zone, making these lasers ideal for applications in the solar/photovoltaic arena, resistor trimming and marking of transparent materials.

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