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Abstract: This paper is an overview of fuzzy set hypothesis connected in group examination. These fluffy grouping calculations have been broadly contemplated and connected in an assortment of substantive territories. They likewise turn into the real systems in group investigation. In this paper, we give a study of fuzzy grouping in three classifications. The main classification is the fuzzy grouping in view of fluffy connection. The second one is the fuzzy bunching in view of target work. At last, we give a diagram of a nonparametric classifier. That is the fuzzy summed up k-nearest neighbor run the show. Picture division particularly fuzzy based picture division systems are generally utilized due to powerful division execution. Therefore, an immense number of calculations are proposed in the writing. This paper shows a review report of various kinds of traditional fuzzy grouping methods which accessible in the writing.

1. Keywords: Clustering, FCM, K-Means, Matlab, Fuzzy Clustering, Image Segmentation.

References:

A Survey of Fuzzy Clustering Algorithms: A Review

Mohammed Yesuf Getu

A Model of Knowledge Economy through ICT in East Africa
Abstract: The laser fields are very wide and advance for the coming optical generations. Fiber lasers are worth to play a vital role in the upcoming new uprising of science due to their role in experimental operations and to their strong experimental arrangement for any starter. Different categories of optical laser found for widespread use such as Erbium Doped Fibre laser (EDFL), Ytterbium Doped Fibre Laser (YDFL). We consider about EDFL and YDFL which are made by doping the fibre core with rare-earth elements of Erbium and Ytterbium respectively. The system has been designed to analyze the gain and pump power and output power dependence of the optical laser EDFL and YDFL for various fiber lengths. The output power of YDFL in ring resonator is 40mW and in linear resonator is 25mW, which is better than EDFL which gives 20mW in ring and 10mW in linear. The YDFL gives better output power then EDFL. Ring resonator is better than linear resonator.

Keywords: Fiber Length, Gain, Output Power, EDFL and YDFL.

References:


Authors: Ekaa Bansal, Nidhi

Paper Title: A Review on Doped Fibre Laser

Abstract: The laser fields are very wide and advance for the coming optical generations. Fibre lasers are worth to play a vital role in the upcoming new uprising of science due to their role in experimental operations and to their strong experimental arrangement for any starter. Different categories of optical laser found for widespread use such as Erbium Doped Fibre laser (EDFL), Ytterbium Doped Fibre Laser (YDFL). We consider about EDFL and YDFL which are made by doping the fibre core with rare-earth elements of Erbium and Ytterbium respectively.

Keywords: Laser, Doped, EDFL and YDFL.

References:


4. Heng Xie, Junqiang Sun, and Danqi Feng “Simultaneous measurement of strain and temperature based on hybrid EDF/Brillouin laser”, Optical Society of America, 2016.


Authors: Anish Verma, Neha Gupta

Paper Title: A Review on Doped Fiber Amplifiers

Abstract: Optical intensifiers are ordered in light of the system that is fused for enhancement of the flag. Optical amplifiers are helpful in long separation correspondence that requires least weakening misfortune. This datasheet will expand on the development, working guideline and the uses of the different kinds of optical amplifiers. Doped fiber amplifiers (DFAs) are optical amplifiers that use a doped optical fiber as a gain medium to amplify an optical signal.
Keywords: Laser, Doped, EDFA and YDFA.

References:

Authors: Sandeep Kumar, Mansi Bhanoth

Paper Title: Three Phase 6-Pulse Diode, Thyristor, Mosfet Based Converter

Abstract: In this paper a three phase 6-pulse converter model is designed. The Synchronized 6-Pulse Generator block can be used to fire the six diode of a six-pulse converter. The output of the block is a vector of six pulses individually synchronized on the six diode voltages. DIODE, MOSFET and THYRISTOR are used as a controlled rectifier which reduces the total harmonics distortion in output current and voltage.

Keywords: Converter, DIODE, MOSFET and THYRISTOR.

References:

Authors: Sandeep Kumar, Mansi Bhanoth

Paper Title: A Review on Power Switching and Converter

Abstract: In this paper Power electronics converters are switch-mode circuits that process power between two electrical systems using power semiconductor switches. The electrical systems can be either DC or AC. Therefore, there are four possible types of converters; namely DC/DC, DC to AC, AC to DC, and AC to AC.

Keywords: Converter, DIODE, MOSFET and THYRISTOR.

References: