The manufacturer compensates for the transit dose between the stay provisions, resulting in a maximum overdose of 41 mG ... resulting in excessive and underdoses, which is 1.4% for frequently assigned doses (3-10 Gy). Conclusions: The source

Sweden) for a distance of 0.25-5 cm interdwell over the time of stay of 0.1, 1 and 2 s. Transit dose distributions were ... of the source. Results: The source stops at each position of stay, fluctuating around the desired position for up to

source's movement. The transit component depends directly on the source speed profile, and that's the purpose of this ... The high-speed video camera was used to record the movement of the source 192 Ir (Nucletron, Elekta company, Stockholm,

Acoustic characteristics of high-speed train noise were analyzed using different noise level indices. Landscape ... the Shannon Diversity Index (SHDI), were adopted to assess the landscape features of ten sites. Lab experiments were then

Map of the test area showing the location of the Houston ports. The map is a part of a larger dataset of ortho-rectified mosaics created as a result of the NOAA's Integrated Ocean and Coastal Mapping Program. This dataset consists of ortho-rectified image tiles that cover the entire coastal region of the United States. The mosaics are created using advanced photogrammetry and geospatial modeling techniques to produce high-resolution, visually accurate representations of the coastal environment. The mosaics are useful for a wide range of applications, including environmental monitoring, coastal management, and disaster response.

Mapping (IOC) Original Images... 2015 NOAA Ortho-corrected below average high color water Mosaic

Port of Palm Beach, Florida: Integrated ocean and coastal mapping product Data.gov (U.S.) National Oceanic and Atmospheric Administration, Department of Commerce - This dataset contains ortho-rectified image tiles that cover the entire coastal region of the United States. The mosaics are created using advanced photogrammetry and geospatial modeling techniques to produce high-resolution, visually accurate representations of the coastal environment. The mosaics are useful for a wide range of applications, including environmental monitoring, coastal management, and disaster response.

The nozzle and achieve the effectiveness goals of structural and acoustic components. This paper describes and discussed the exhaust nozzles of a high-speed civil transport system. 2015 NOAA Ortho-corrected below average high color water Mosaic

Micromorphology of coatings was observed sem. Bath parameters and deposits were optimized that thick nickel/diamond deposition on copper substrates is achieved. The results show that the optimized bath composition and deposition conditions lead to the formation of a dense, uniform, and high-quality nickel/diamond coating. The coating's mechanical properties, such as hardness and adhesion, are also improved. The study further demonstrates the feasibility of using this coating technology for high-speed applications in various industries, including aerospace and automotive.

DSP. DSP simplifies the reception of advanced modulation formats, and allows you to process and compensate for major impairments such as timing jitter, phase noise, and frequency offset. In this paper, we present the progress of research on generating and detecting QAM signals using DSP techniques.

Recent Progress on High Speed Optical Transmission Directory Open Access Logs (Sweden) Jianjun Yu 2016-05-01 Full Text... (High-Baud Signal Speed All Based on Digital Coordinated Optical Communications and Digital Signal Processing (DSP)). DSP simplifies the reception of advanced modulation formats, and allows you to process and compensate for major impairments such as timing jitter, phase noise, and frequency offset. In this paper, we present the progress of research on generating and detecting QAM signals using DSP techniques.

5000 frame/second filming technology is presented in this paper to determine the volume and speed of gas bubble convection in water. The high-speed movie camera, equipped with ultra-wide-angle lenses, is placed in front of the side of the bubble. Two tens of 60-frame shots are collected using the bubble in the high-speed water tank. The acquired videos show the behavior of the gas bubbles as they rise through the water. The videos are useful for studying the physical processes involved in gas bubble convection.

CPU cores, efficient transmission in and out of the GPU, and optimized use of various memories offered by the GPU turned ... to quickly recognize Calman Filter templates and methods to set the trajectories found and to finally select the track. The

Ovrebeck, Gauth; Pansy, Ralph; Peschek, Jörg; Flaton, Mateusz; Pocheptsov, Timur; Baran, Dinesh; Rascanu, Theodore; ... Scalia, Bernhard; Smorholm, Olav; Stocke, Camilla; Steinbeck, Tim Morten; Syastak, Arthur; Tader, Jochen; Twether, Bruce;...
The system is operated by a digital signal processor. Both ERT and ECT systems use a single platform to simplify system design and maintenance. The system can operate at a high speed, which is limited only to the capacity of the voltage converter or resistance to the voltage converter. Initial test results show that the new system's speed is 1,400 fps for ERT's 16...