Music listening system with automatic music content analysis Active music listening service "Songle" is available on the Internet

We launched a public web service for active music listening, Songle (http://songle.jp), on August 29, 2012. Songle enriches music listening experiences by using our music-understanding technologies that can automatically analyze musical pieces on the web. Songle serves as a showcase, demonstrating how people can benefit from music-understanding technologies, by enabling people to experience active music listening interfaces on the web. Songle facilitates deeper understanding of music by visualizing automatically estimated music scene descriptions such as music structure, beat structure, melody line, and chords. Users can actively browse music by jumping to a chorus or repeated section during playback. When using music-understanding technologies, however, estimation errors are inevitable. Songle therefore features an efficient error correction interface that encourages users to contribute by correcting those errors to improve the web service. The error corrections by users lead to a better user experience, which encourages further use of Songle.



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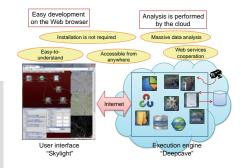
songle-ml@aist.go.jp AIST TODAY Vol.13 No.3 p.7 (2013)

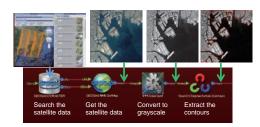
An active music listening service "Songle" with music-understanding technologies developed by AIST.

Information Technology and Electronics

Easy development of image-analysis systems on cloud computing Lavatube 2 promotes the use of large-scale satellite image data

Image analysis is required in various fields, including satellite earth observation, medical services, crime prevention, and quality inspection in factories. We have developed image-analysis workflow middleware, Lavatube 2. It allows image-analysis systems requiring complex and high-speed processing of large amounts of data to be easily developed on a Web browser. Data analysis is performed by cloud computing. This makes it possible to process massive amounts of data at high speed. The user can easily access data archives of the OGC-compatible geospatial information system. Lavatube 2 will be incorporated into a satellite analysis system of GEO Grid that is being developed by AIST, and it will be provided for verification as a Web-based service to researchers and technical experts in the fields of earth observation and information technology.





Configuration and benefits of Lavatube 2

Example of an operation (Detection of coastline)