

Technical Lectures by SPG India, Chennai Chapter

The SPG, Chennai Chapter organized a Lecture on “**Seismic processing to Image Processing**” under its Technical Forum on 09.03.2011. The lecture was delivered by Dr.G.V.R. Kumar, CG(S), ONGC, Chennai. The lecture highlighted the usage of a Open source software, called ImageJ, for generating various attribute displays of a seismic section or data. The software on JAVA platform has many utilities which are equivalent to the seismic processes of Decon, FK filter, Spectral decomposition etc. Dr.G.V.R. Kumar showed examples of effective use of this software for removal of acquisition footprints, coherent noise and aliasing. The software can be used for cubic spline interpolation and a special filter called Von Gogh filter as an anisotropic diffusion filter which is not available in general seismic software at present.



Dr. G.V.R. Kumar C.G. (S) ONGC delivering the lecture on 'Seismic' processing to Image processing

As a part of its Technical Forum, SPG, Chennai chapter organized its 2nd lecture on “**Precision statics – its application & efficacy in sub-surface mapping**”. The lecture was delivered by Sri. A.K. Srivastava, SG(S), ONGC, Chennai on 08.04.2011. Static corrections play an important role in the seismic data processing for precise mapping of sub-surface image. In fold belt areas, the weathered layer as well as sub weathered layer velocity varies appreciably, in horizontal as well as vertical directions. In such case the conventional approach in computation of static corrections may not give desired results. The presenter came out with a methodology which involves the stage wise computation of precision static corrections.



Shri A. K. Srivastava, SG (S) ONGC, delivering the lecture on Precision Static its application and efficacy in sub-surface mapping.