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## Chess Viewer

The power of XSL lies in its ability to perform radical transformations of the XML data source. This page contains yet another proof for this fact: you can build a chessgame viewer with a stylesheet!

The source document is a transcription of a chess game played by Garry Kasparov against a chess supercomputer -- IBM Deep Blue. The game is encoded in a form resembling the well-known Portable Game Notation (PGN) format. The source is very compact: a sample game on this page [[DeepBlue.xml](#)] is less than 4 kBytes in size.

The stylesheet converts this arid text into a sequence of board diagrams, drawing every intermediate position as a graphical image (a special chess font is used). Applying a 23 kB stylesheet [[chess.xsl](#)], we get a 415 kBytes (!) FO stream [[DeepBlue.fo](#)]. These numbers give an idea of how deep the transformation is.

The final step of the whole procedure consists in converting the result into PDF using [XEP](#). The resulting PDF file [[DeepBlue.pdf](#)] is much smaller than the source FO stream -- less than 90 kBytes. (XEP implements PDF compression).

We hope XSL fans will enjoy this example; and XSL foes will acknowledge its power!

More chess games created by the same stylesheet:

<i>Description</i>	<i>FO Source</i>	<i>PDF PostScript</i>
<a href="#">Fischer-Euwe.xml</a> Robert Fischer - Max Euwe	<a href="#">Fischer-Euwe.fo</a>	<a href="#">Fischer-Euwe.pdf</a> <a href="#">Fischer-Euwe.ps</a>
<a href="#">Fischer-Tal.xml</a> Robert Fischer - Mikhail Tal	<a href="#">Fischer-Tal.fo</a>	<a href="#">Fischer-Tal.pdf</a> <a href="#">Fischer-Tal.ps</a>
<a href="#">Kasparov-Karpov.xml</a> Garry Kasparov - Anatoly Karpov	<a href="#">Kasparov-Karpov.fo</a>	<a href="#">Kasparov-Karpov.pdf</a> <a href="#">Kasparov-Karpov.ps</a>

**Note:** We have used an unabridged chess notation; the original PGN data are even more concise. We know it is possible to process even the short chess notation by XSL, and gladly leave this exercise to volunteers .