s7.m3.p1 **Web based software for instrumentation control and data analysis: an application on a single crystal four circle diffractometer.** A. Pifferi,[1] G. Berdini[1], M. Buzzi[2], M. Camalli[1], M. Catricalà[1], C. Gramaccioni[1], P. Lazzareschi[2], R. Spagna[1], *1 Istituto di Strutturistica Chimica - CNR Area della Ricerca di Roma CP. 10 00016 Monterotondo Stazione (Roma), Italy -* 2 Istituto di Applicazioni Telematiche - CNR *Area della Ricerca di Pisa Via Alfieri, 1 (Loc. San Cataldo) - 56010 Ghezzano - San Giuliano Terme Pisa*, *Italy.*
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Graphical interface based on web pages has the characteristic to be accessed from any web browsers. Software, which resides on a web server, can be handled via CGI from HTML language. To exploit the possibilities to control an experiment remotely, we have completely renewed an old Nicolett single crystal diffractometer and developed a suite of programs to control a diffraction experiment. A web GUI that allows the user to interact with the instrument will be presented. A webcam allows the user to observe the instrument during the experiment.