

DOM: Automatische Analyse und Synthese von technischen Gebäudeinstallationen

The screenshot displays the 'Dom Control' software interface, which is used for the automatic analysis and synthesis of technical building installations. The interface is divided into several functional areas:

- Dom Control (Main Window):** Features a menu bar (System, File, Trace, Help) and a toolbar. It is organized into a grid of slots for different data types: Behaviour, Knowledge, Design, and Transfer. Each slot contains a list of items and a set of operations (Operations and Slots).
- Dom Output (Text Window):** Displays the results of the analysis, showing a list of relationships and their counts, such as: (includes ---> 10), (overlaps ---> 144), (contacts ---> 452), (wandlelement ---> 4), (deckenelement ---> 4), (leitung ---> 169), (zuluft ---> 11), (abluft ---> 53), (warmwasser ---> 9), (kaltwasser ---> 11), (g-leitung ---> 64), (m-leitung ---> 45), (k-leitung ---> 60), (stammleitung ---> 9), (astansatzleitung ---> 7), (hauptastleitung ---> 10), (nebenastleitung ---> 13), (blattleitung ---> 22), and (zweioleitung ---> 88).
- Transfer Window:** Lists files (ddwo0.fex, ddwo3.fex, flat0.fex, flat0o.fex, flat1.fex) and provides operations like 'init', 'load', 'save', 'save as', 'preview', 'dxf to fex', and 'fex to dxf'.
- Design Window:** Lists design elements (g225, g224, g223, g222, g221, g220, g219, g218, g217, g216, g215, g214, g213, g212, g211) and operations like 'define', 'get', 'draw', 'delete', and 'delete-all'.
- Behaviour slot:** Lists operations like 'analyse-context', 'analyse-connects', 'analyse-corpconcept', 'analyse-orgconcept', 'analyse-orgcorpcon', 'analyse-all', 'analyse-concept', 'delete-derivates', 'synthesize-concept', and 'synthesize-all'.
- Knowledge slot:** Lists concepts like 'orgkobjekt', 'leitungssystem', 'verzweigung', 'anschluss', 'stammanschluss', 'zweileitung', 'blattleitung', 'astleitung', 'nebenastleitung', 'hnebenastleitung', 'vnebenastleitung', 'hauptastleitung', 'astansatzleitung', 'vastansatzleitung', and 'hastansatzleitung'.
- Design slot:** Lists design elements (g225, g224, g223, g222, g221, g220, g219, g218, g217, g216, g215, g214, g213, g212, g211) and operations like 'define', 'get', 'draw', 'delete', and 'delete-all'.
- 3D Visualization:** Shows a 3D wireframe model of a building installation, with various components highlighted in different colors (blue, green, red, yellow, purple).
- System Tray:** Includes a clock window showing 'clock V3' and 'Mon Nov 18', and icons for 'Console' and 'Waste'.