



www.sintef.no

Address:
SINTEF group, MARINTEK,
Structural Engineering
Box 4125, Valentinlyst
7450 Trondheim
Norway

Location: Otto Nielsens vei 10

Tel : +47 7359 5611
Fax : +47 7359 2660

MEMO

MEMO CONCERNS

Release Notes USFOS Version 7-9

FOR YOUR ATTENTION

COMMENTS ARE INVITED

FOR YOUR INFORMATION

AS AGREED

DISTRIBUTION

Members of USFOS user group

X

FILE CODE	CLASSIFICATION
	Open
ELECTRONIC FILE CODE	
PROJECT NO.	DATE
700030	2002-09-01

PERSON RESPONSIBLE/AUTHOR	NUMBER OF PAGES
Tore Holmås	5

Release notes USFOS 7-9, Sep 2002

Contents:

1. INTRODUCTION.....	2
2. CONTENTS OF CD-ROM	2
2.1. INTRODUCTION.....	2
2.2. OVERVIEW.....	2
3. EASIER INSTALLATION OF USFOS 7-9	3
4. NEWS IN USFOS VERSION 7-9.	4
4.1. NEW GRAPHICAL USER INTERFACE.....	4
4.2. NEW OPTIONS.....	5
5. NEW/MODIFIED INPUT IDENTIFIERS	5

1. Introduction

The current version of USFOS is version 7-9 with release date 2002-09-01, and the release contains following:

- CD-ROM
- Release Notes (this MEMO)

Except for this MEMO, no “paper information” will be distributed in connection with this release. All information is stored on the CD.

USFOS runs on both Windows (NT, 2000 and XP) and Linux (RedHat 7.2 ->), and both versions are distributed on the CD.

2. Contents of CD-ROM

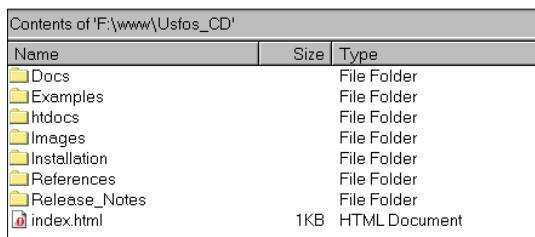
2.1. Introduction

All USFOS information is available from HTML documents, which are read by standard WEB browsers (Netscape, Opera, Internet Explorer etc), and the information is stored as pdf documents , HTML text, or plain ASCII text.

2.2. Overview

The contents of the current CD-ROM are easiest found using either a file browser (NT-explorer) or a WEB browser. However, some information about the contents will be given in this MEMO.

Figure 2.2-1 describes the files/folders on the top level of the CD-ROM, and the HTML document main page is accessed through the “*index.html*”, (double click from explorer).



Name	Size	Type
Docs		File Folder
Examples		File Folder
htdocs		File Folder
Images		File Folder
Installation		File Folder
References		File Folder
Release_Notes		File Folder
index.html	1KB	HTML Document

Figure 2.2-1 Contents of Usfos 7-9 CD-ROM

The “*Docs*” folder contains general information, all described in PDF format (the free Acrobat Reader could be used).

The HTML document contains two main branches (see Figure 2.2-2):

- Installation
- Examples

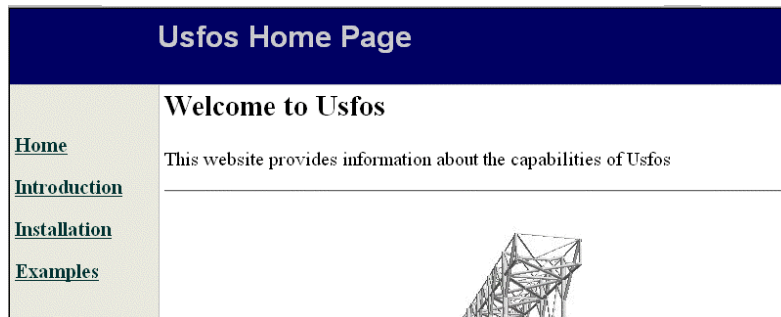


Figure 2.2-2 Main Page of USFOS 7-9 HTML document

3. Easier Installation of USFOS 7-9

Earlier versions of USFOS required installation of 3rd party software (NutC and XVision) on Windows computer due to the graphical user interface (xfos). A complete new USFOS Graphical User Interface is developed, and is designed for both Windows and Linux without need for any 3rd party software, (just one .exe file on Windows).

A SetUp file containing an install shield (available from the CD-ROM) guides the user through the installation on Windows, (just a few “clicks”). On Linux, all necessary codes are collected in one “tar file”, and detailed description is given on the CD-ROM.

The installation main page is shown in Figure 2.2-1, where references to Windows and Linux are given.

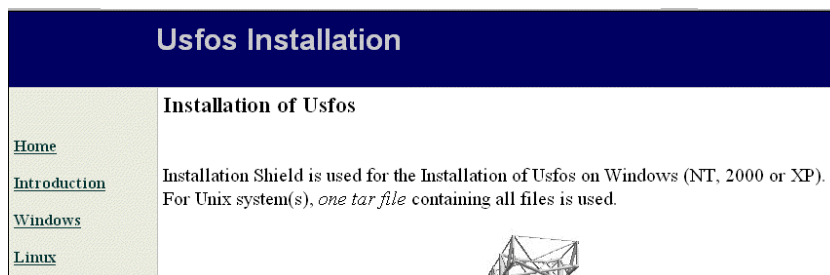


Figure 2.2-1 Installation Main Page

4. News in USFOS version 7-9.

4.1. New Graphical User Interface

The USFOS 7-9 release contains a completely new graphical user interface (as described in USFOS Newsletter Nov, 2001).

The Graphical Interface should cover following functions:

- ❑ Preparing USFOS input files
- ❑ Starting USFOS analyses
- ❑ Inspecting USFOS analysis results

The interface will, when it is completed, become a “USFOS control centre”, but at present, only an intermediate version (with *work* name XACT) is available. (XACT version 1.0 does not contain the “Prepare USFOS input” option).

XACT contains all post processing facilities, which were available in the “old” XFOS, but the functionality is extended and improved.

The Graphical User Interface is described in detail in a separate manual (XACT_1.0.pdf), which is available on the CD-ROM.

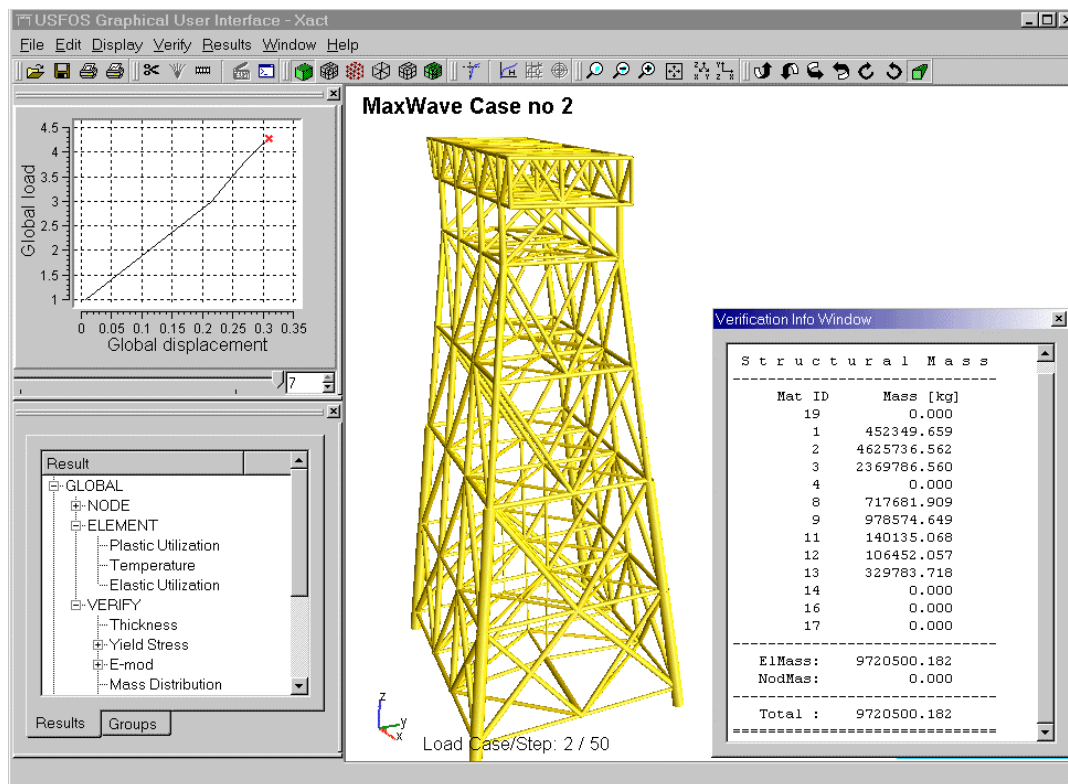


Figure 4.1-1 USFOS Graphical User Interface.

4.2. New Options

The new options in the analysis module are described in the example collection under “Misc”, (see Figure 4.2-1), and the options deal with:

- Soil Capacity Calculation
- User Defined Joint Gap (easing the input)
- Boat Impact and Strain Fracture

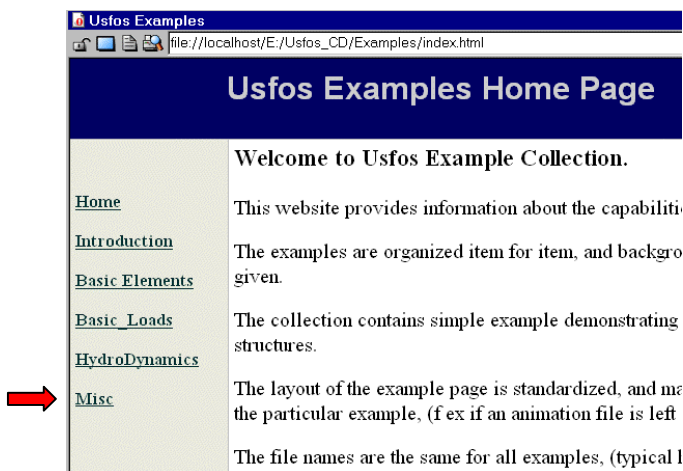


Figure 4.2-1 Example Collection Main Page

5. New/modified input identifiers

Since last main release (7-8), following input identifiers are added/extended:

- SOILDIAM** : Define Diameter to be used in the Soil Calculation
- JOINTGAP** : Define gap between braces in connection with joint checking.
- MULT_IMP** : Multiple Boat Impact. Continue impact if first hit member fails.
- CURRBLOC** : Current blockage factor
- USERFRAC** : User Defined Fracture. NOTE! New input Format.