Problem	Jacobian computation[1]					Newton step[1]		
N	AD (prepared)	ASD (prepared)[2]		ASD (unprepared)		AD (iterative)	ASD (iterative)	Jacobian (direct)
6	$1.64 \cdot 10^{-5}$	$\mathbf{1.97 \cdot 10^{-6}}$	(8.3)	$3.36 \cdot 10^{-5}$	(0.5)	$\mathbf{2.07 \cdot 10^{-5}}$	$2.19 \cdot 10^{-5}$	$4.52 \cdot 10^{-5}$
12	$2.44 \cdot 10^{-4}$	$\mathbf{8.67 \cdot 10^{-6}}$	(28.1)	$1.70 \cdot 10^{-4}$	(1.4)	$\mathbf{1.34 \cdot 10^{-4}}$	$1.61 \cdot 10^{-4}$	$2.42 \cdot 10^{-4}$
24	$4.02 \cdot 10^{-3}$	$\mathbf{3.43 \cdot 10^{-5}}$	(117.2)	$1.31 \cdot 10^{-3}$	(3.1)	$\mathbf{1.04 \cdot 10^{-3}}$	$1.34 \cdot 10^{-3}$	$1.24 \cdot 10^{-3}$
48	$7.60 \cdot 10^{-2}$	$\mathbf{1.68 \cdot 10^{-4}}$	(451.4)	$1.70 \cdot 10^{-2}$	(4.5)	$\mathbf{8.34 \cdot 10^{-3}}$	$1.17 \cdot 10^{-2}$	$8.98 \cdot 10^{-3}$
96	$1.35 \cdot 10^{0}$	$\mathbf{6.68 \cdot 10^{-4}}$	(2017.2)	$2.16 \cdot 10^{-1}$	(6.2)	$7.56 \cdot 10^{-2}$	$1.11 \cdot 10^{-1}$	$\mathbf{4.07 \cdot 10^{-2}}$
192	$2.25 \cdot 10^{1}$	$\mathbf{3.09 \cdot 10^{-3}}$	(7293.5)	$4.62 \cdot 10^{0}$	(4.9)	$1.05 \cdot 10^{0}$	$1.07 \cdot 10^{0}$	$\mathbf{2.30 \cdot 10^{-1}}$

[1] Wall time in seconds.

[2] In parentheses: Wall time ratio compared to prepared AD (higher is better).