

シャシーデバイス連携による操安性向上

Chassis device cooperation for enhanced stability

Astemo
Mobility Beyond

車両の動き出しから高応答に作用するコンベンショナルダンパー技術との連携により、Steer by Wire(SBW)制御の効果を最大化、回避操舵時の回頭性向上(安全)と穏やかなロール挙動(安心)を実現

By integrating with conventional damper technology that quickly responds from the moment the vehicle starts moving, it maximizes the effects of steer-by-wire (SBW) control, while enhancing turning ability (safety) and achieving smooth roll motion (comfort) during evasive steering.

特長: Features

■ 要素技術 Enabling technology

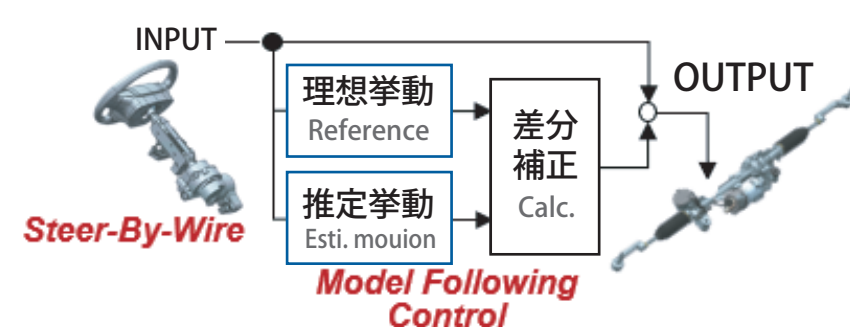
Steering

人間では難しい操舵性能に加え
制御精度を向上

Steering performance that is difficult to achieve for humans, with improved control accuracy

SBW+モデルフォロ잉制御

Steer-by-wire model following control



特許出願済
Patent Pending

Suspension

極初期の挙動抑制に優位な高性能
ダンパーで操舵精度を高める

High-performance damper that can control vehicle movement extremely quickly, providing improved steering performance.

極微低速ストローク域調整機構

Ultra very low velocity stroke range adjustment valve



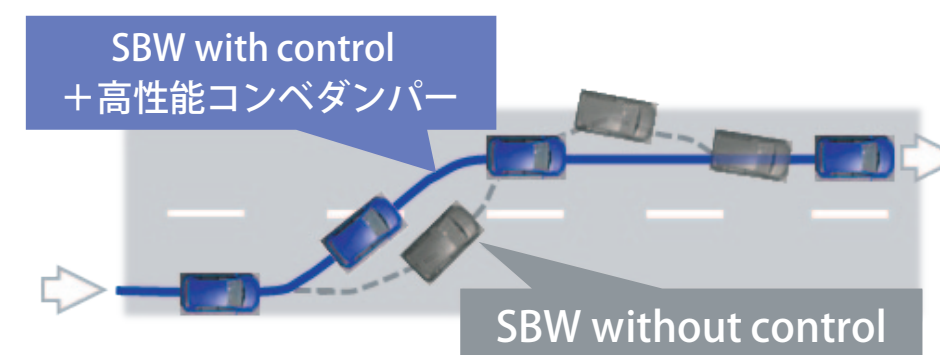
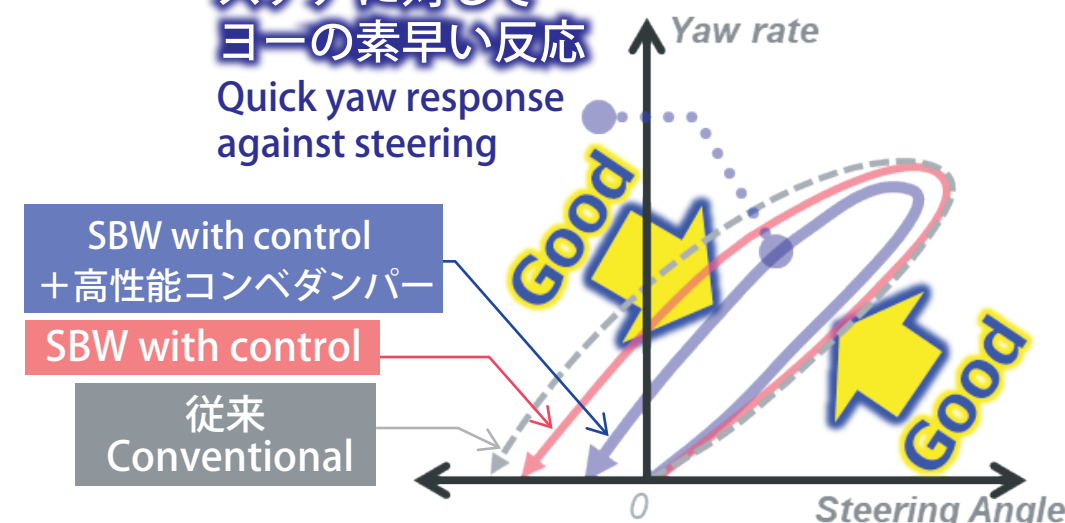
特許登録済
Patent registration
(7111836, 7168782, 7154167)

異次元の操安性
A different dimension of maneuverability

■ 実車効果 Effects on actual vehicles

1. 安全:回頭性の向上 Safe: Improved turning ability

ステアに対して
ヨーの素早い反応
Quick yaw response
against steering

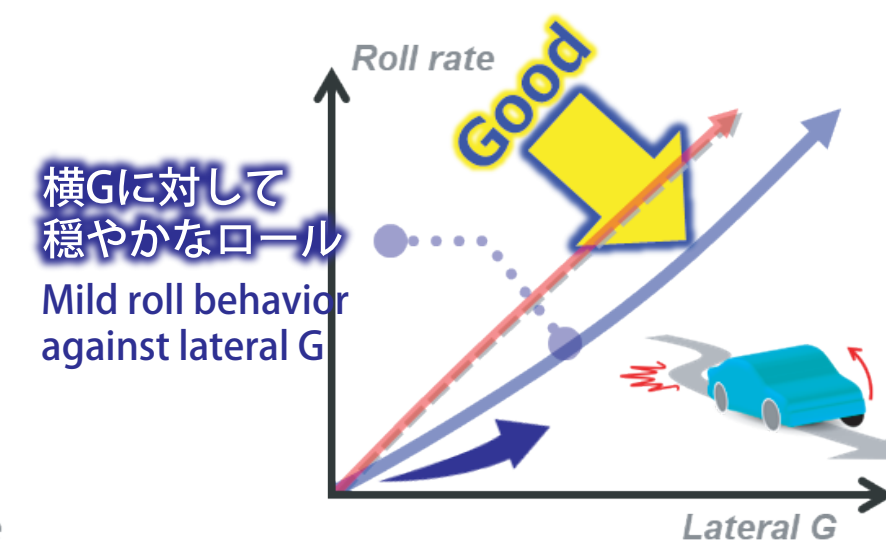


緊急回避シーン Emergency avoidance

特許出願済 Patent Pending

2. 安心:穏やかなロール挙動 Secure: Smooth roll motion

横Gに対して
穏やかなロール
Mild roll behavior
against lateral G



ロール挙動比較 Role behavior

特許出願済 Patent Pending