# $\varphi$-maps on Hilbert C*-modules, $\varphi$-module domains and ternary domains 

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For an operator-valued $\varphi$-map $\Phi$ on a Hilbert $C^{*}$-module $X$ over a $C^{*}$-algebra $A$, $X_{\Phi}=\{x \in X ; \Phi(x a)=\Phi(x) \varphi(a)$ for all $a \in A\}$ is its $\varphi$-module domain and $T_{\Phi}=\{x \in$ $X ; \Phi(y\langle x, z\rangle)=\Phi(y) \Phi(x)^{*} \Phi(z)$ for all $\left.y, z \in X\right\}$ is its ternary domain. In this talk we will discuss about some properties of $X_{\Phi}$ and $T_{\Phi}$.

This is a joint work with M.B. Asadi and R. Behmani.

